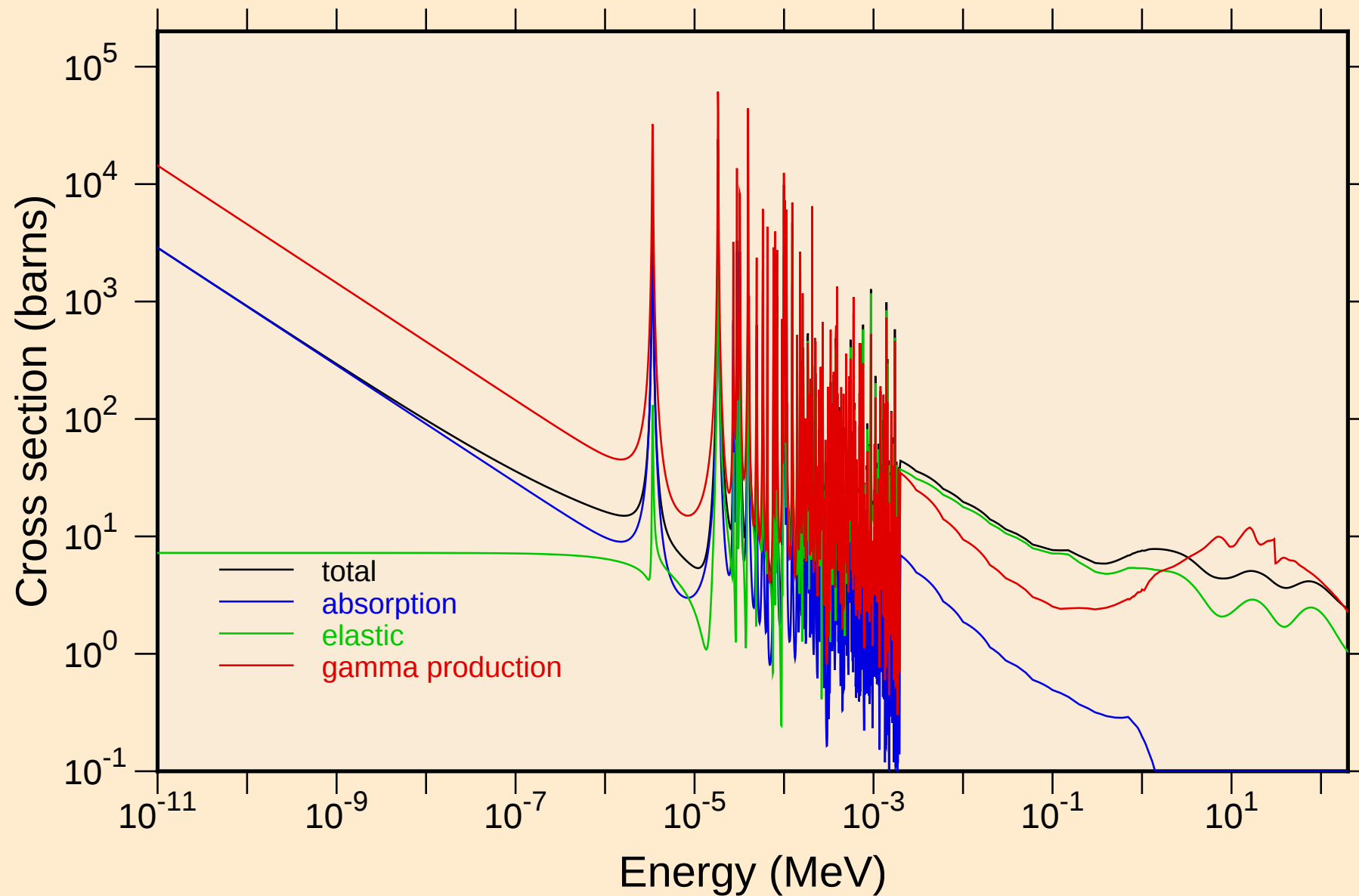
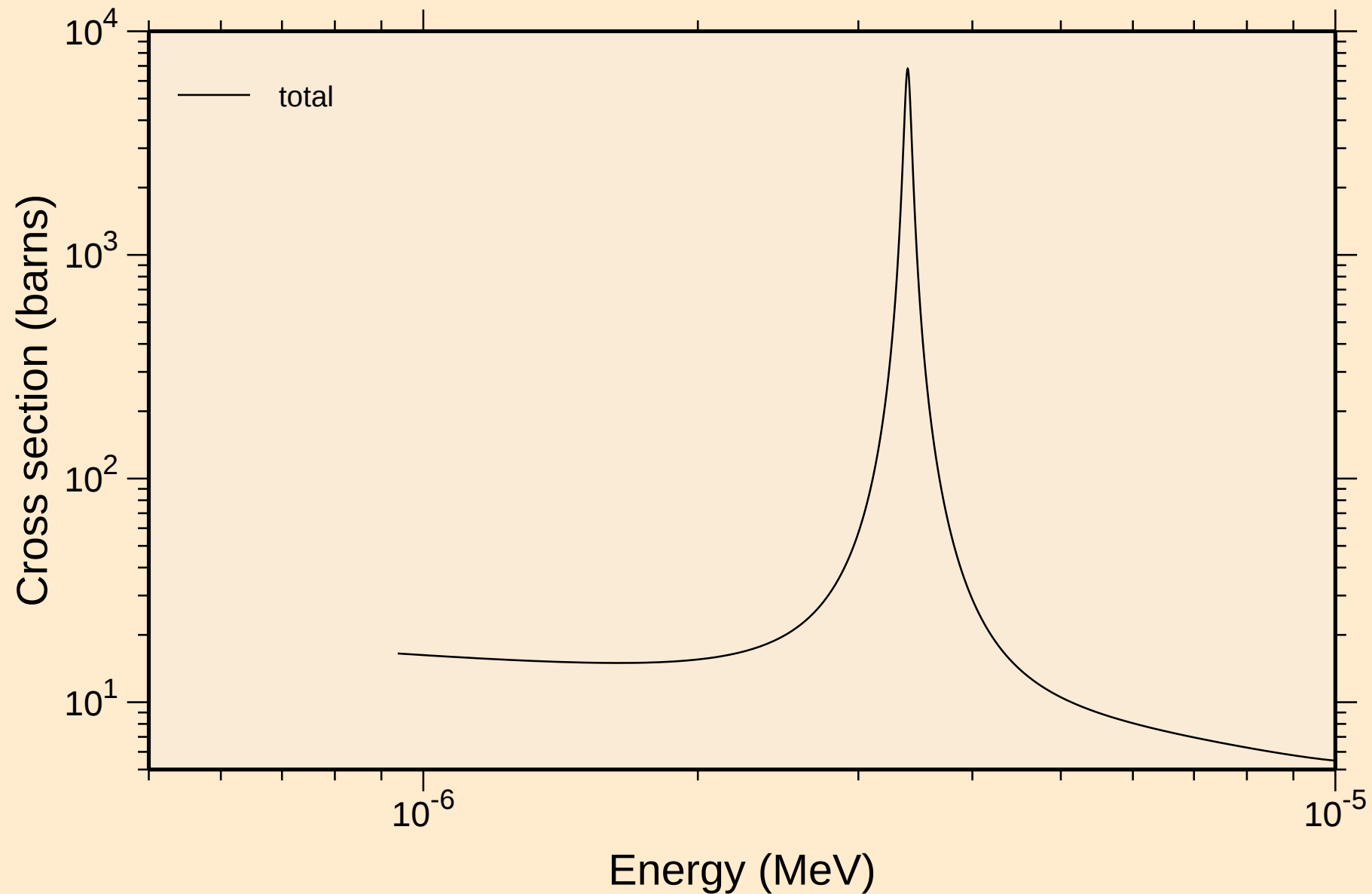


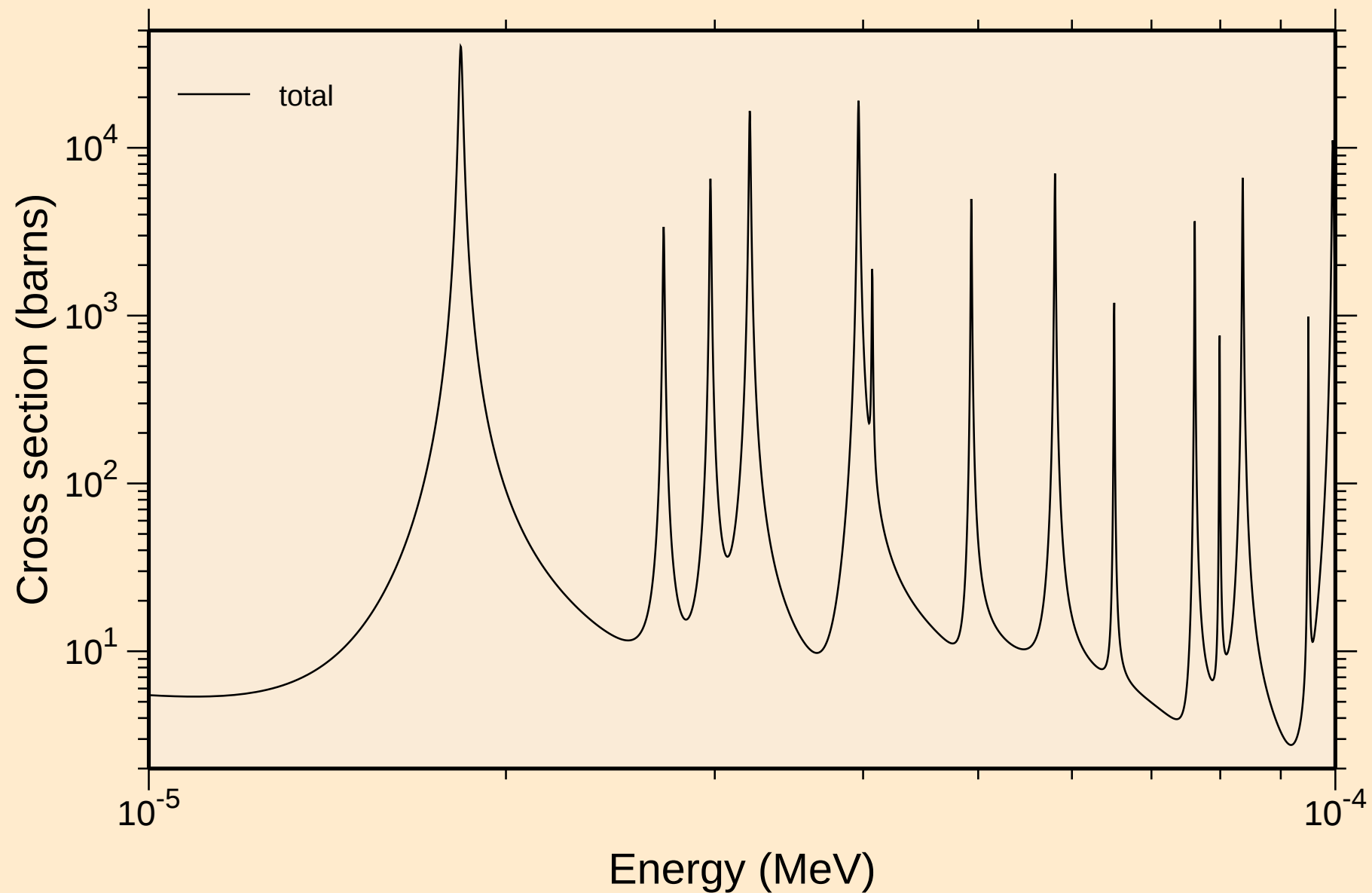
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



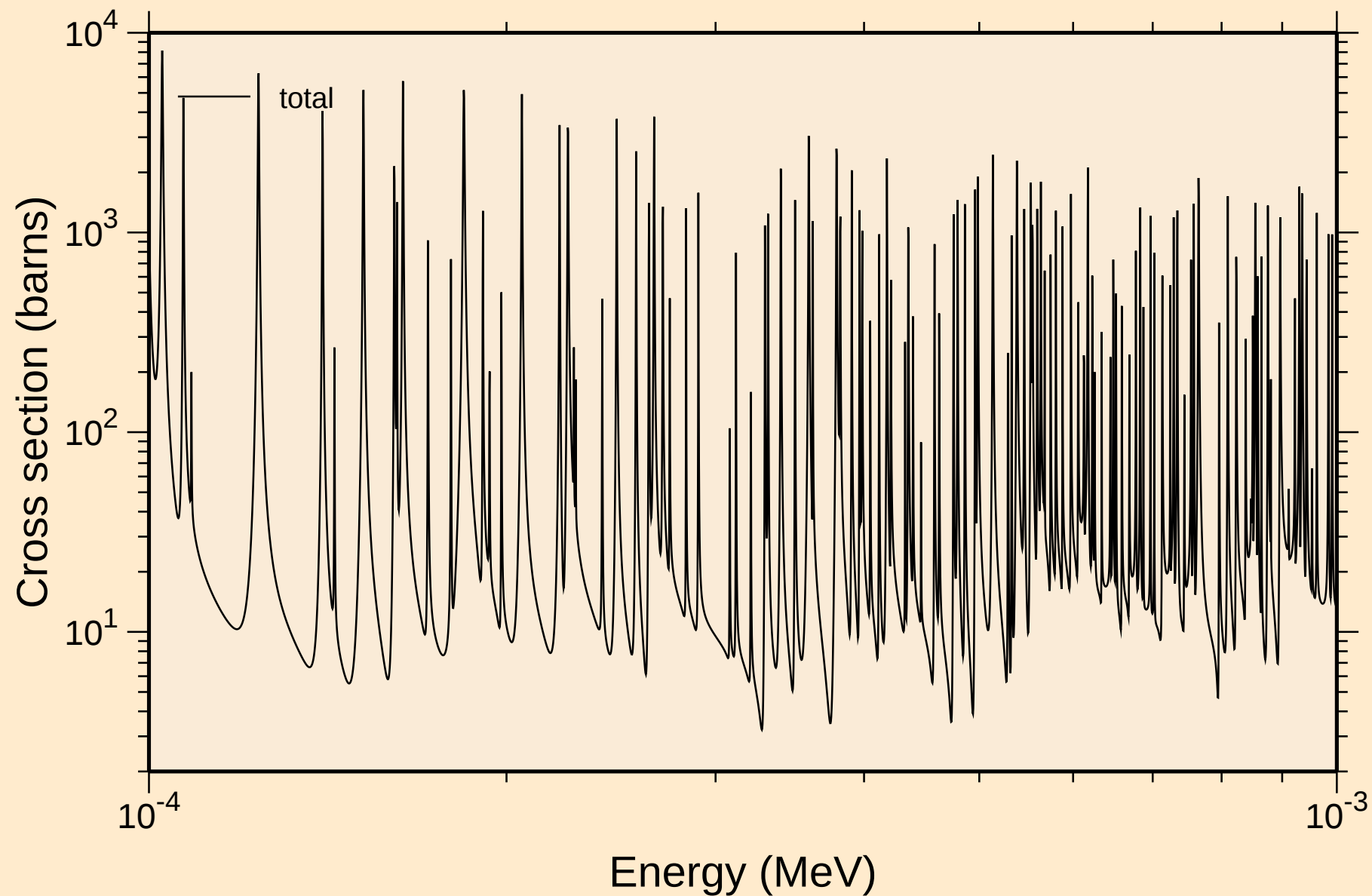
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



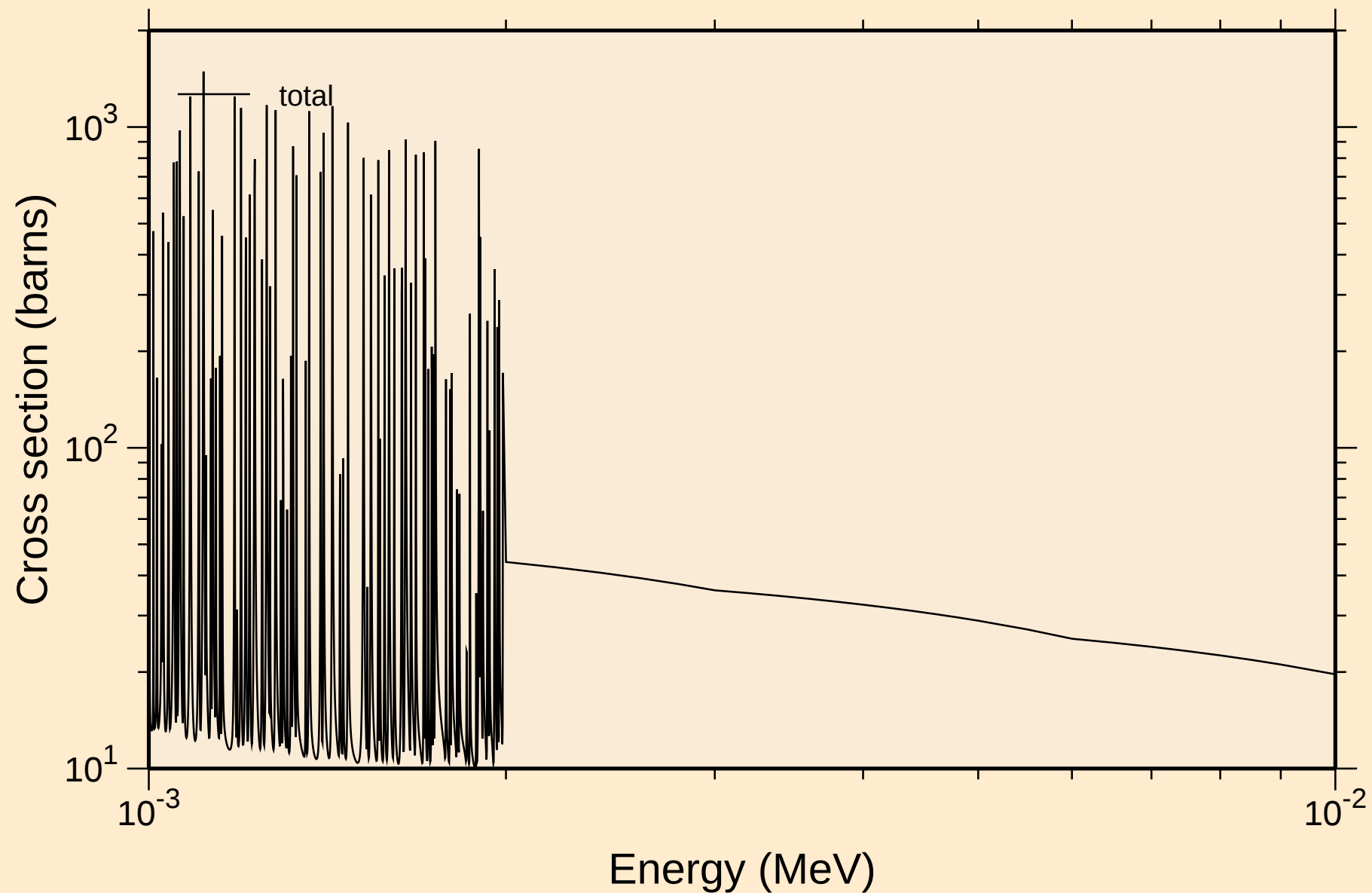
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



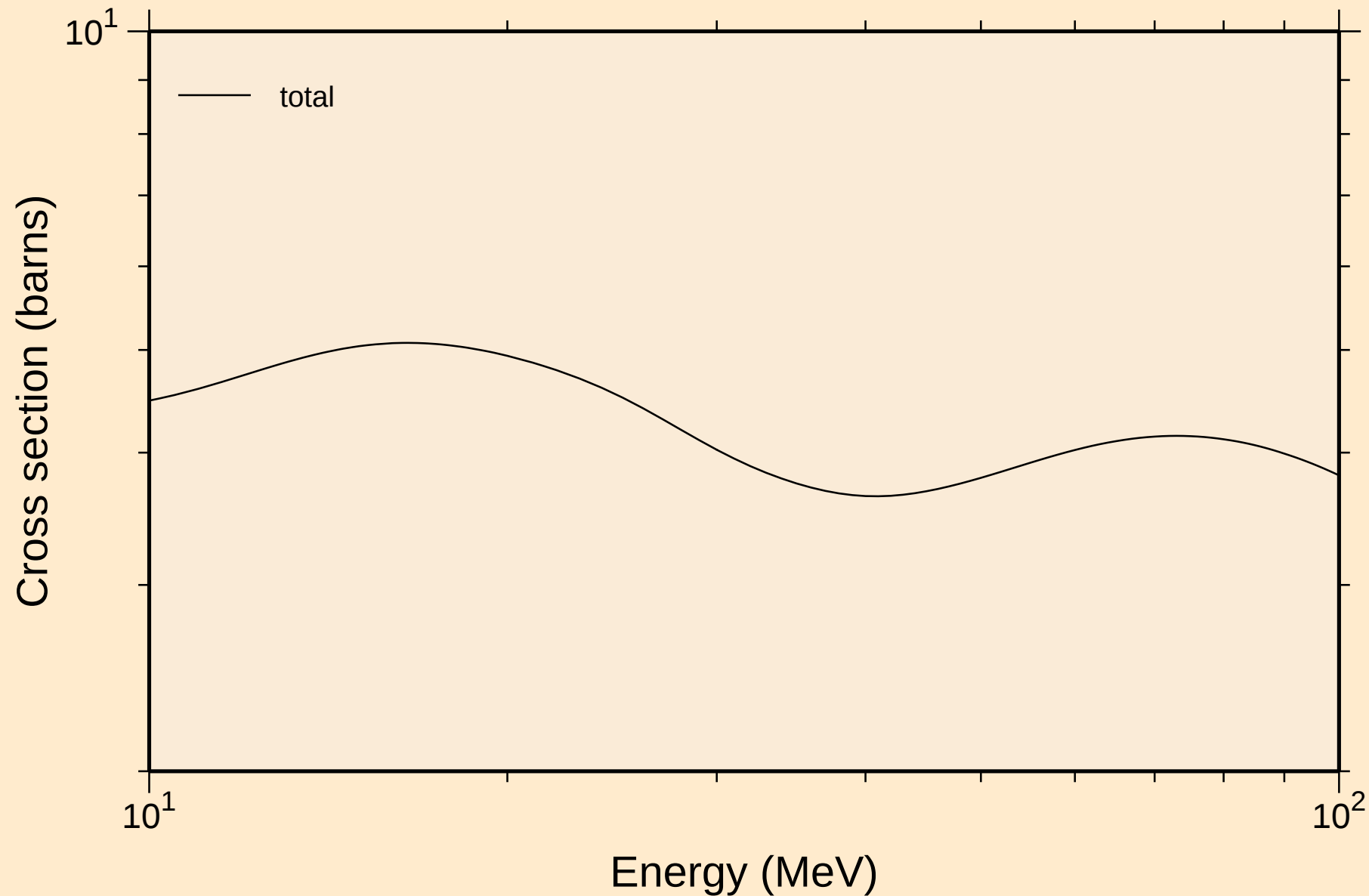
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



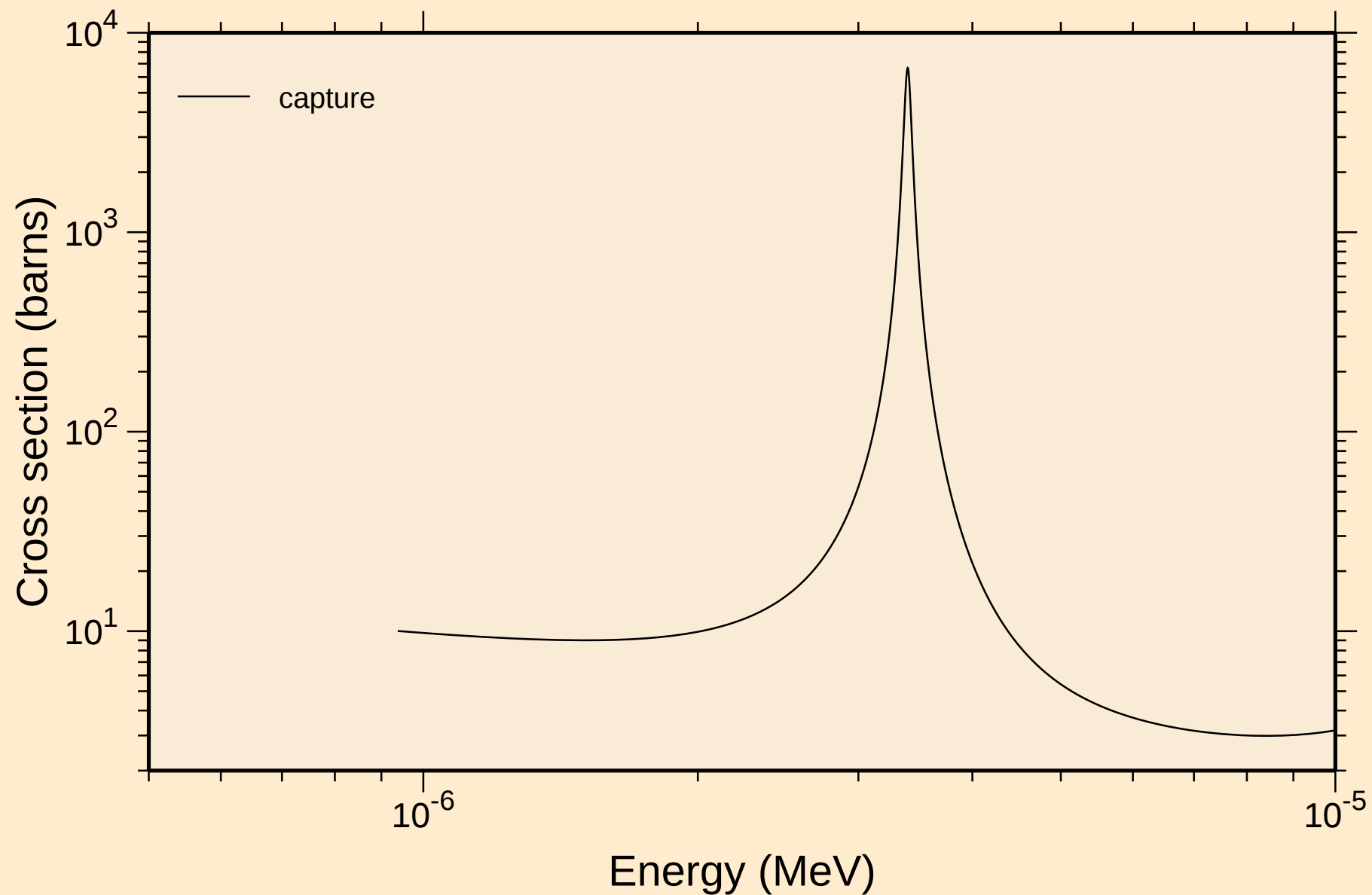
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



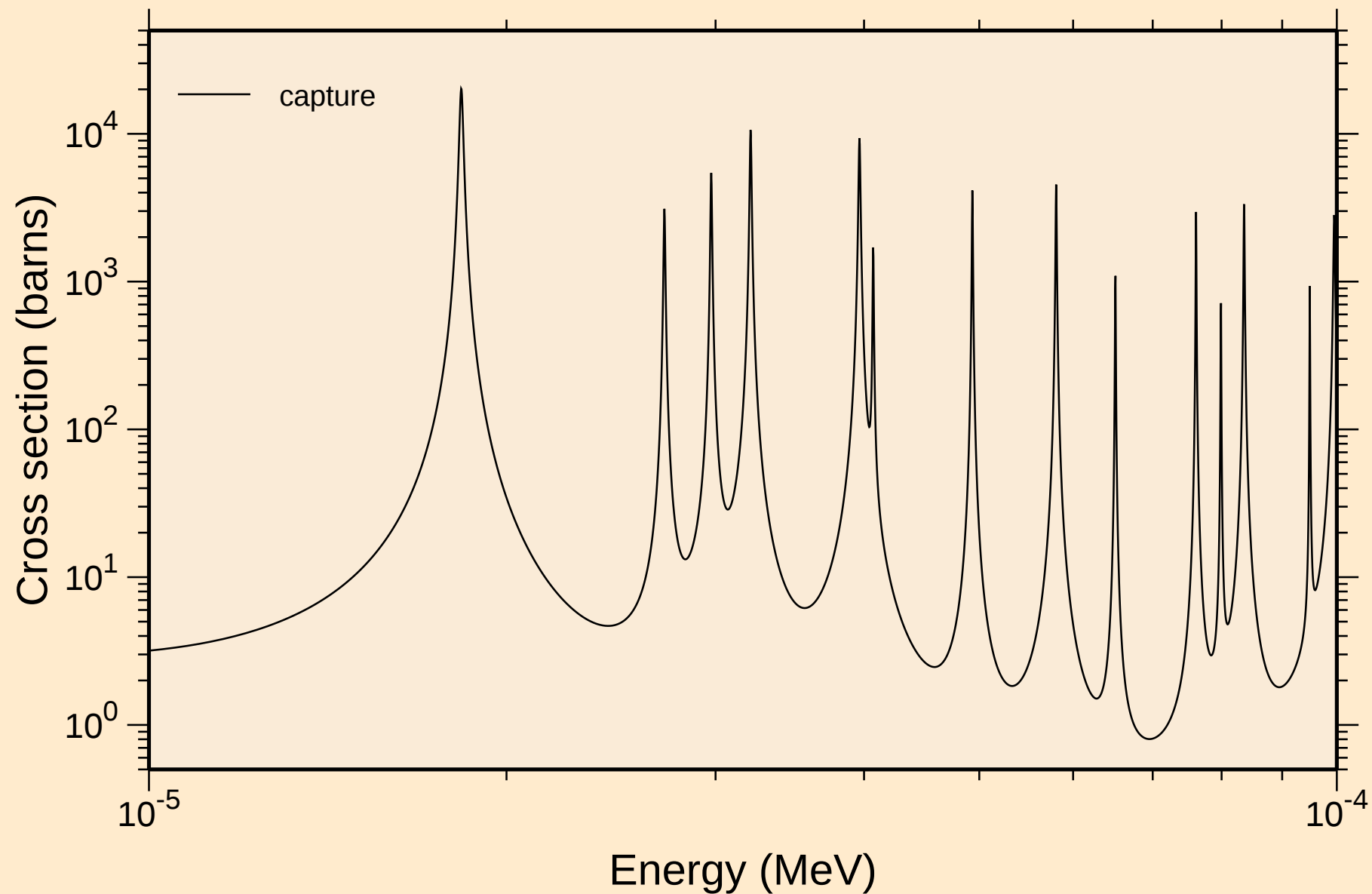
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



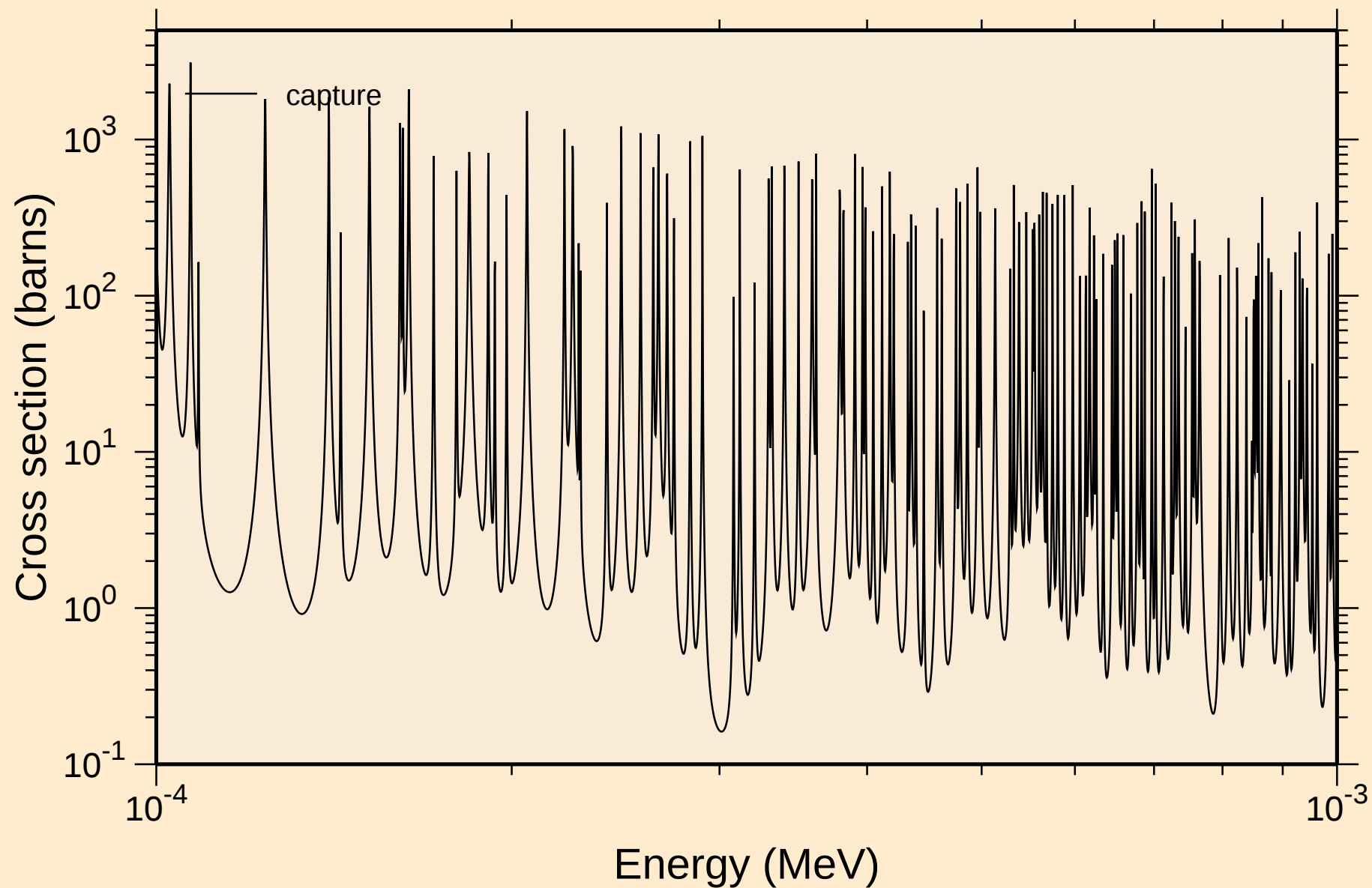
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



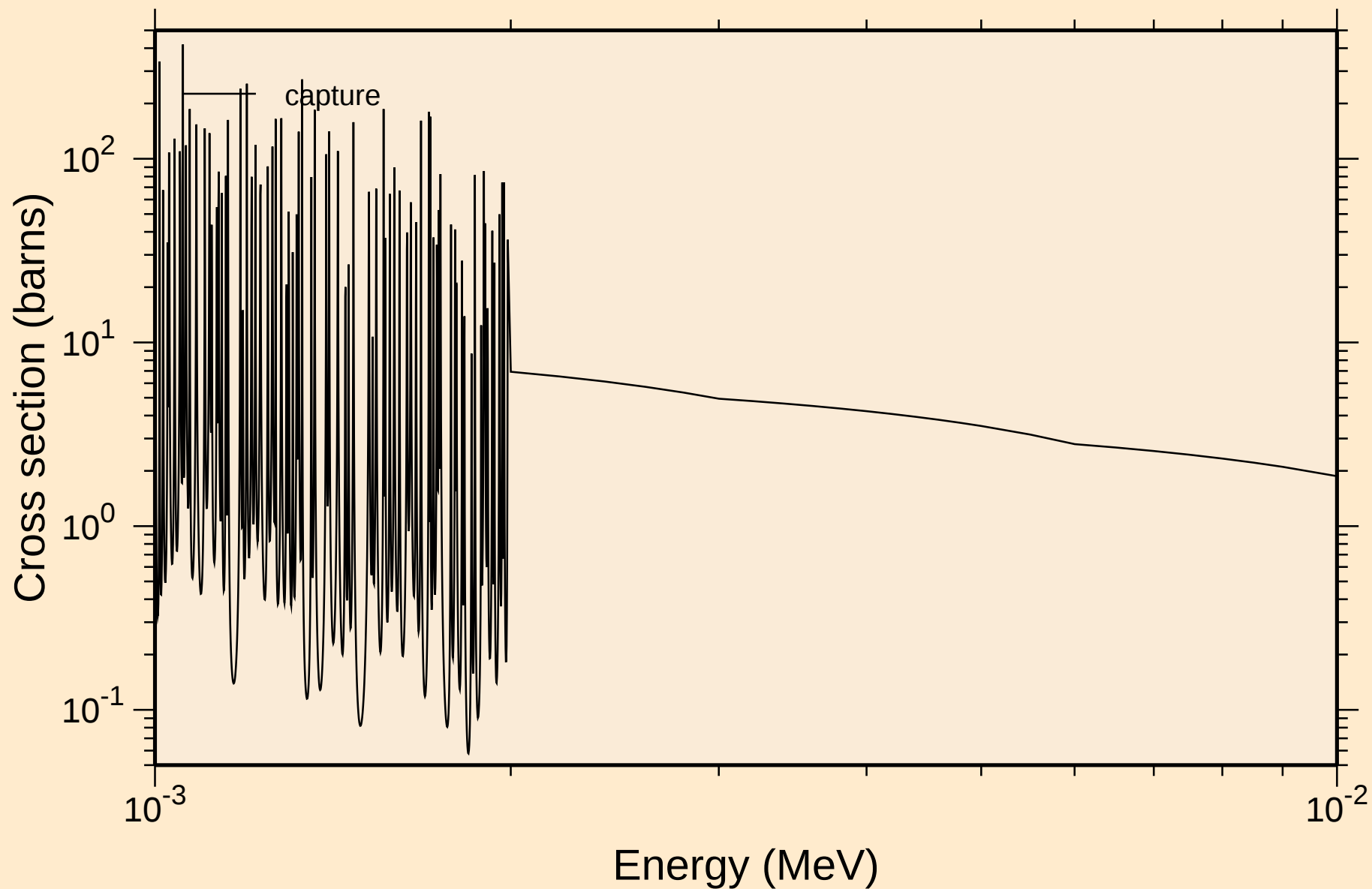
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



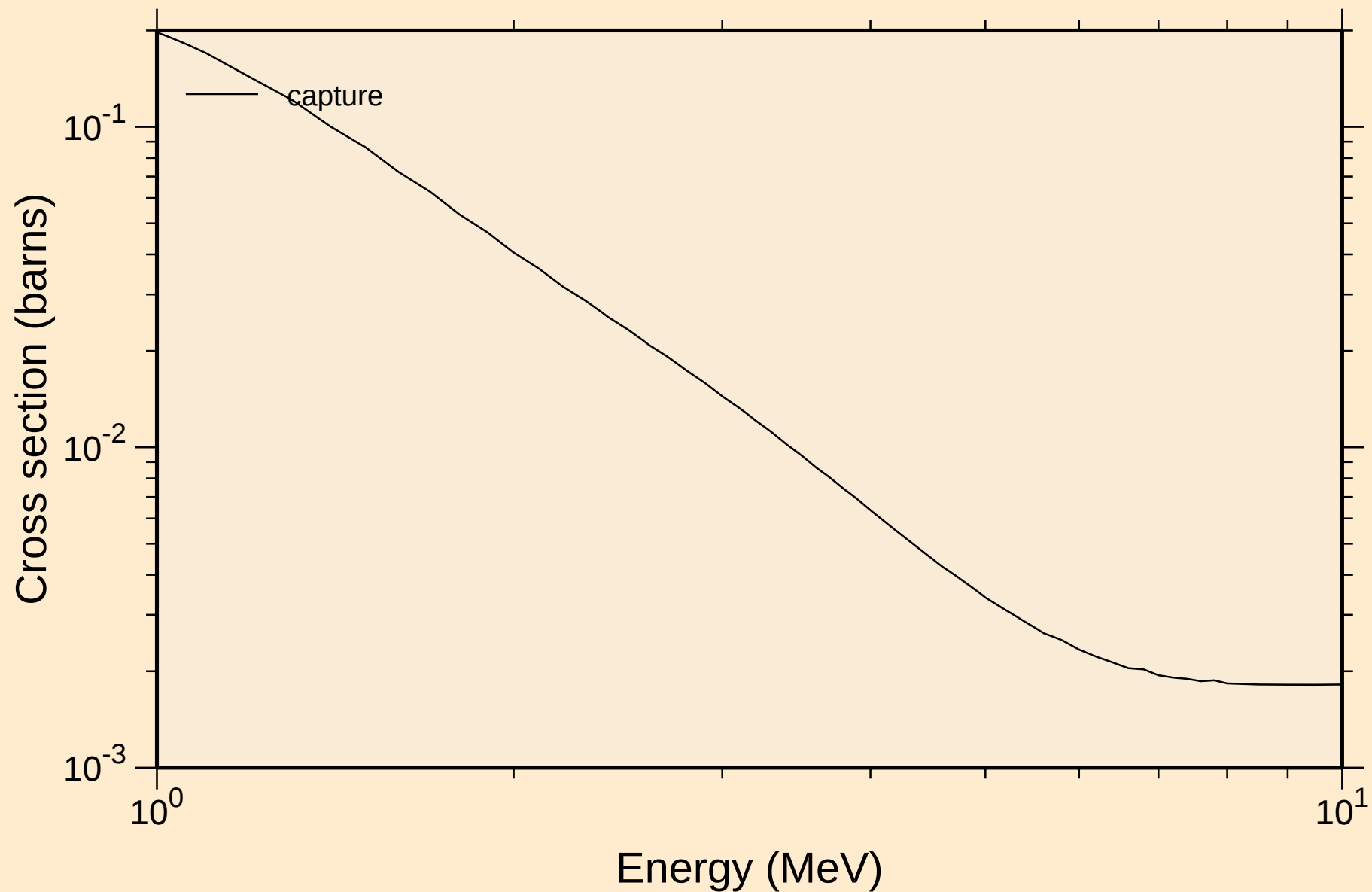
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

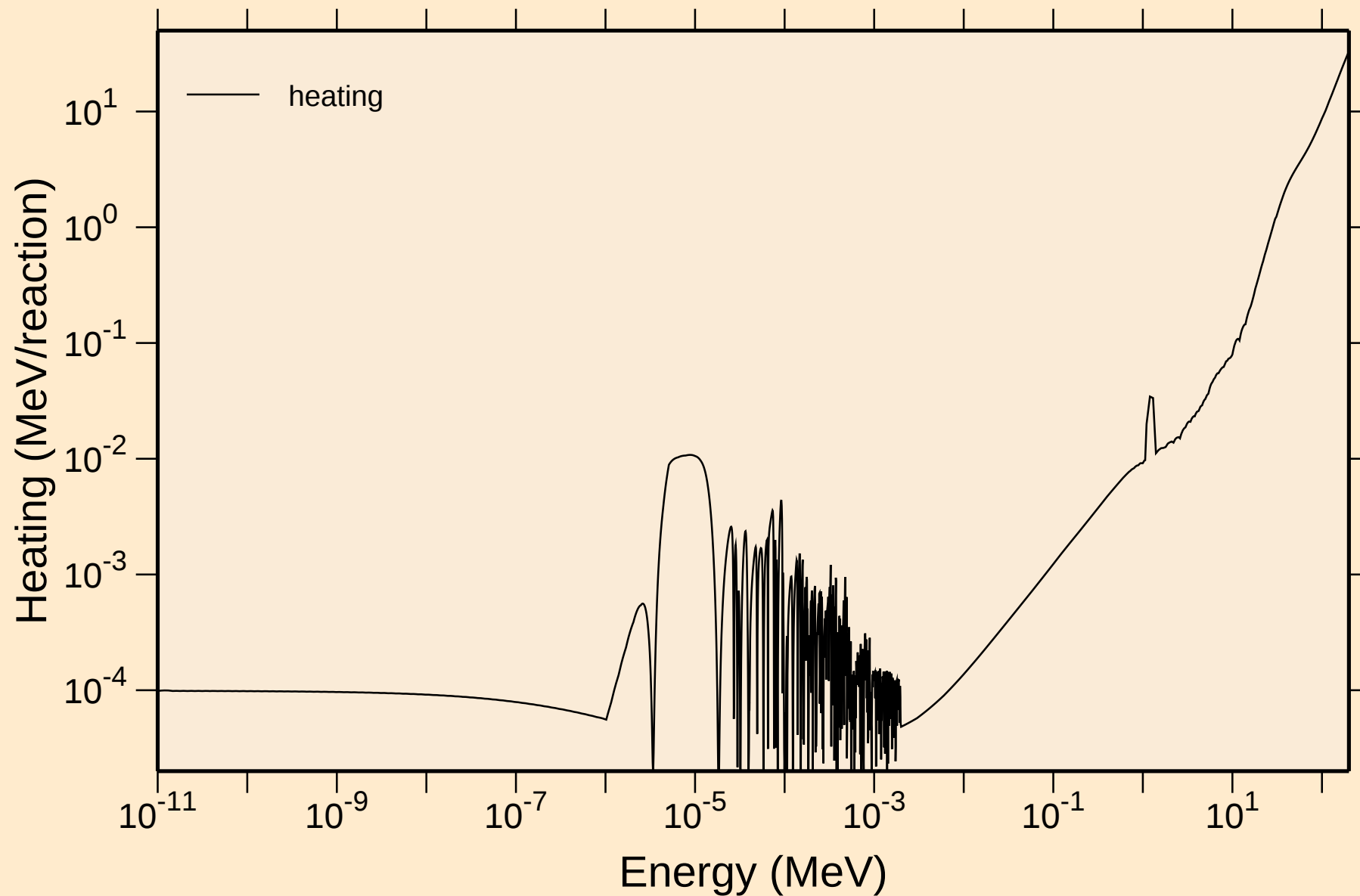


SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



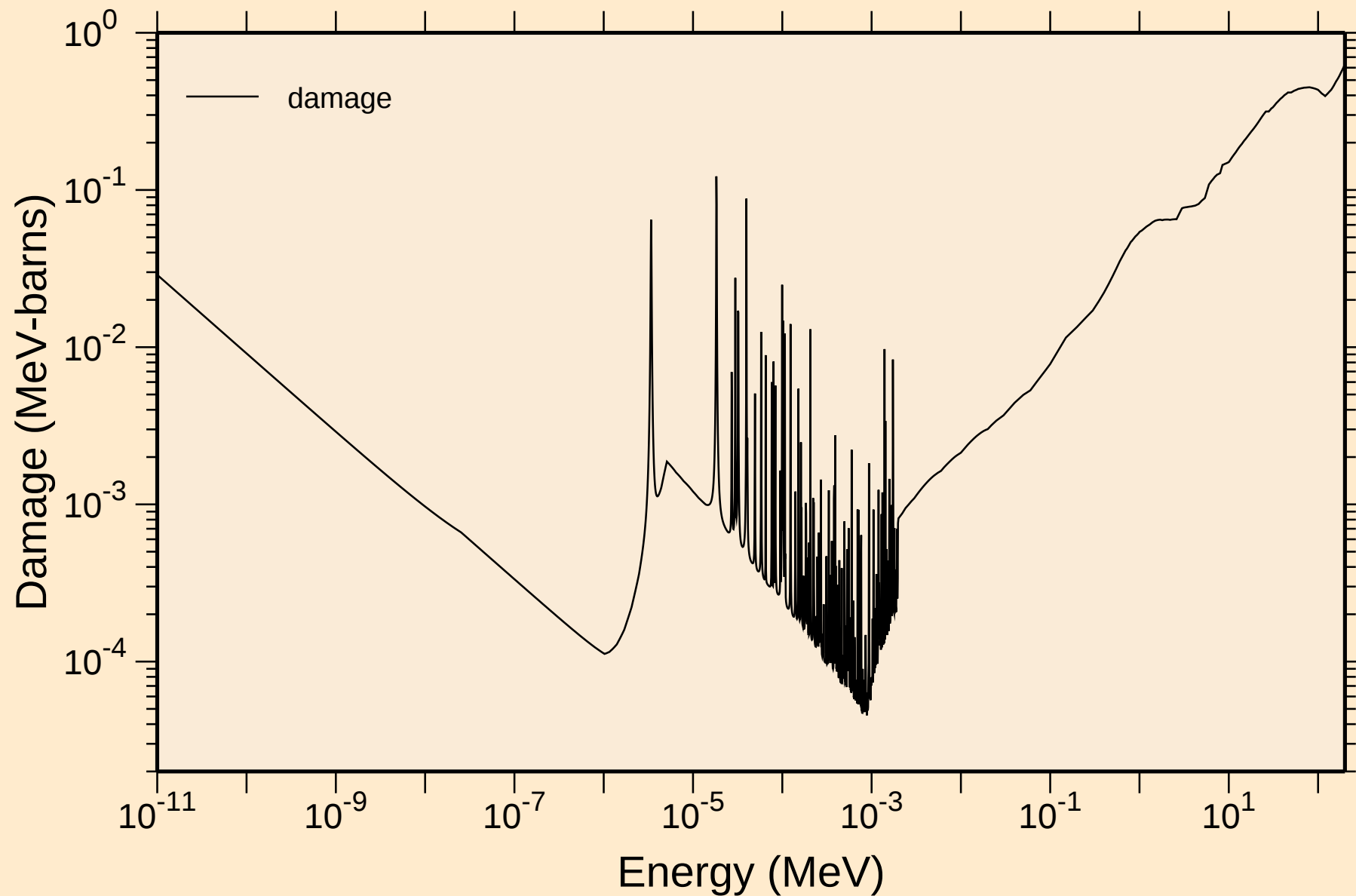
# SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

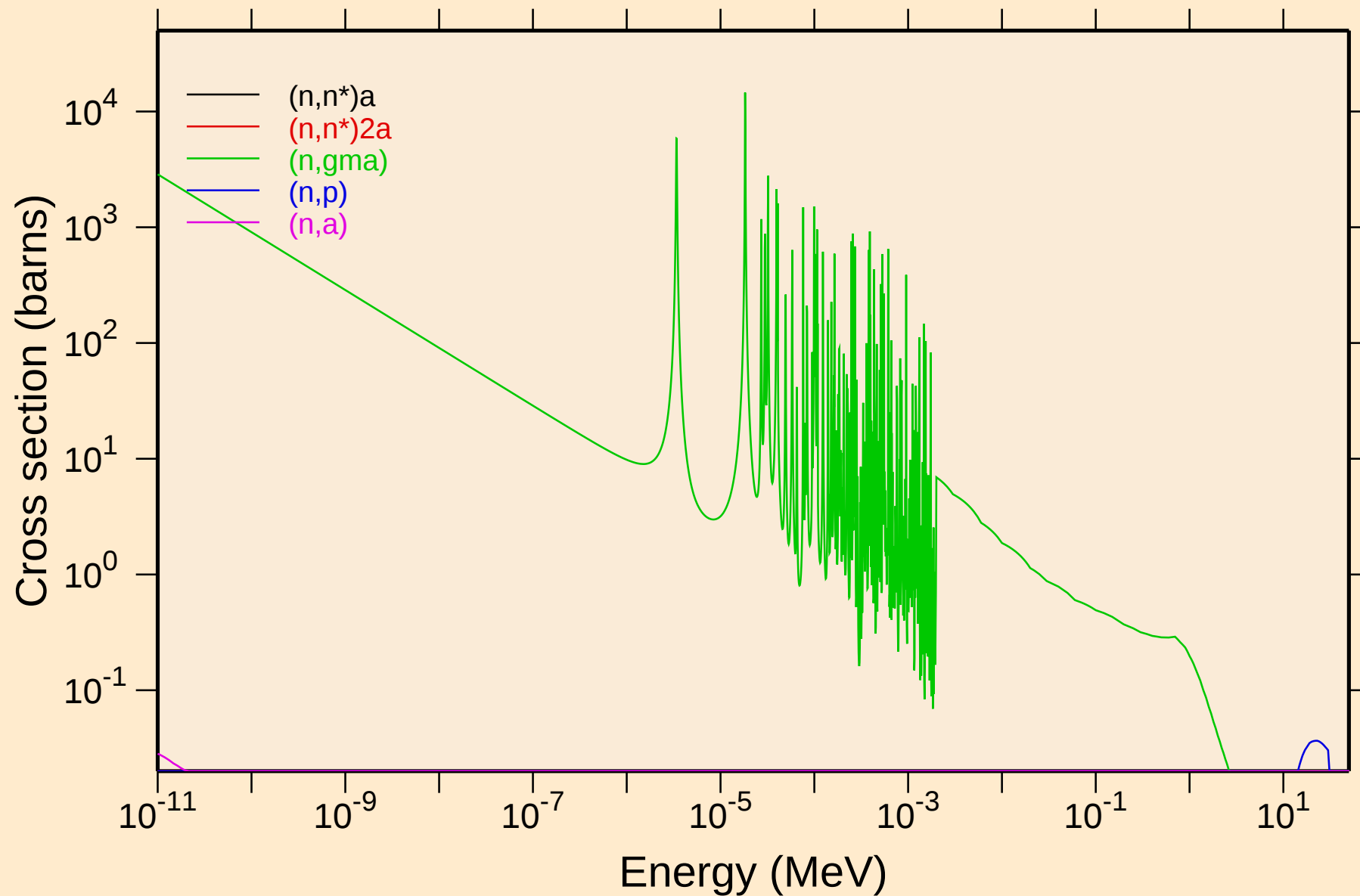


# SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Damage

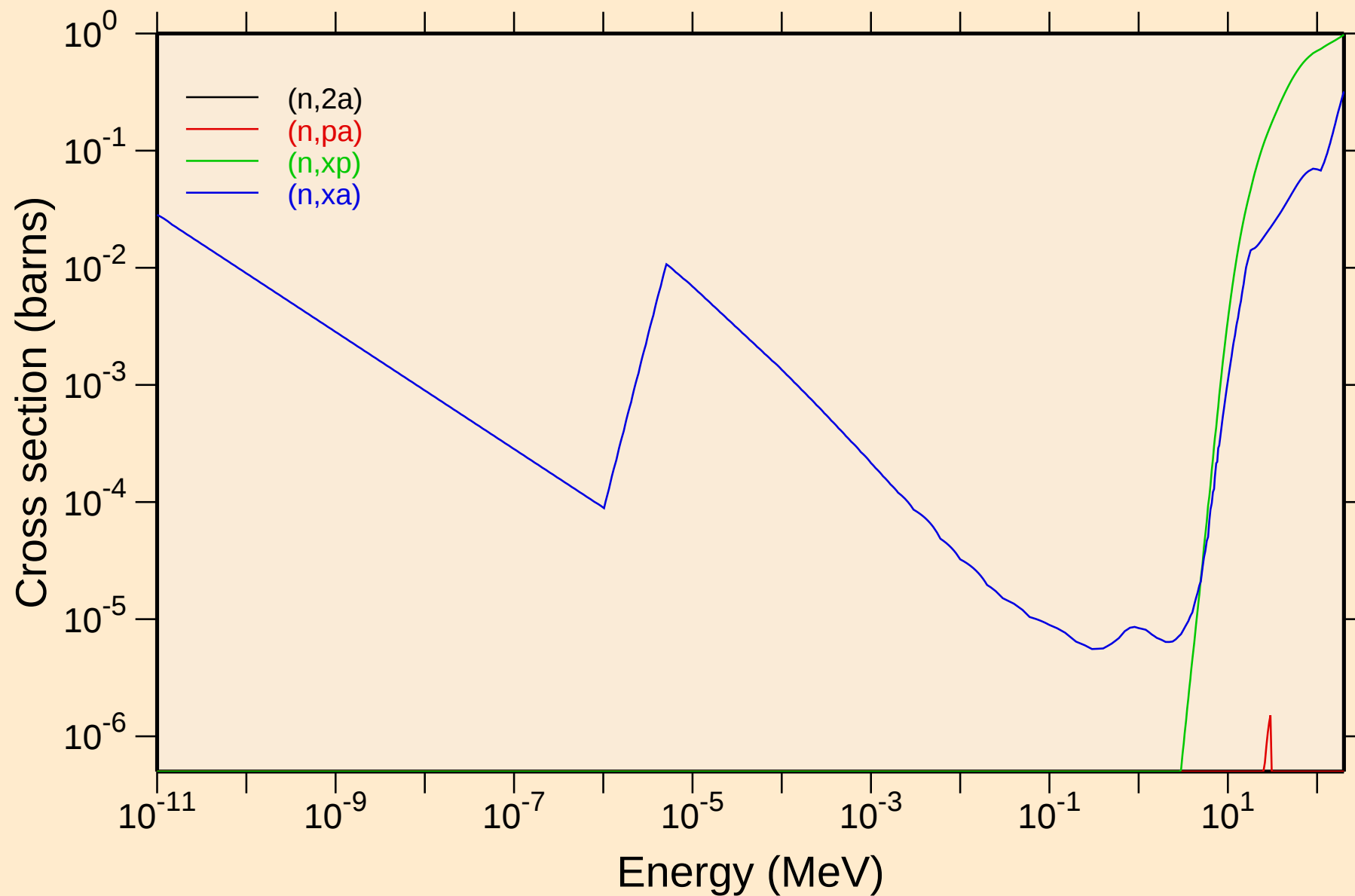


SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



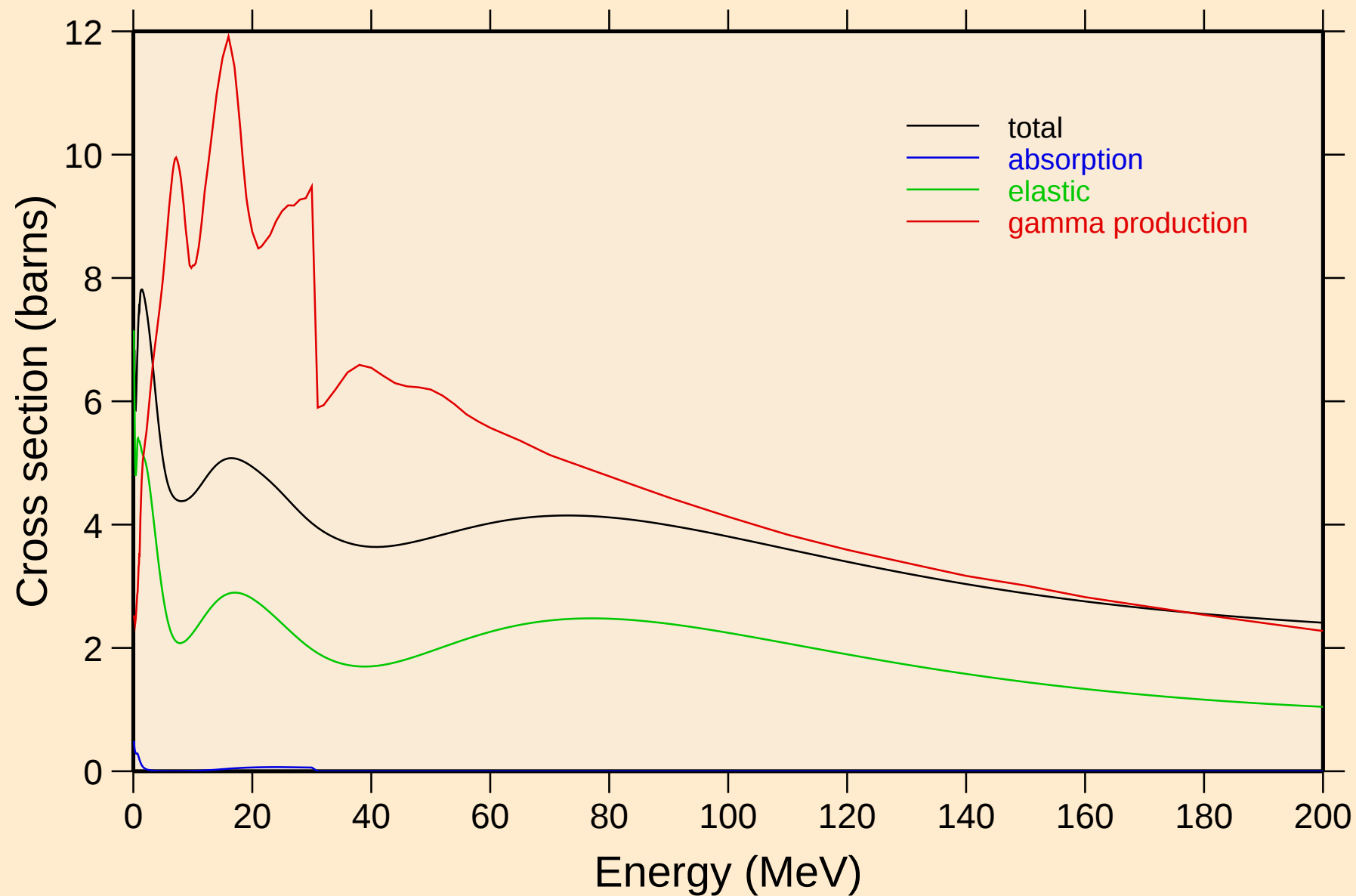
# SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Non-threshold reactions



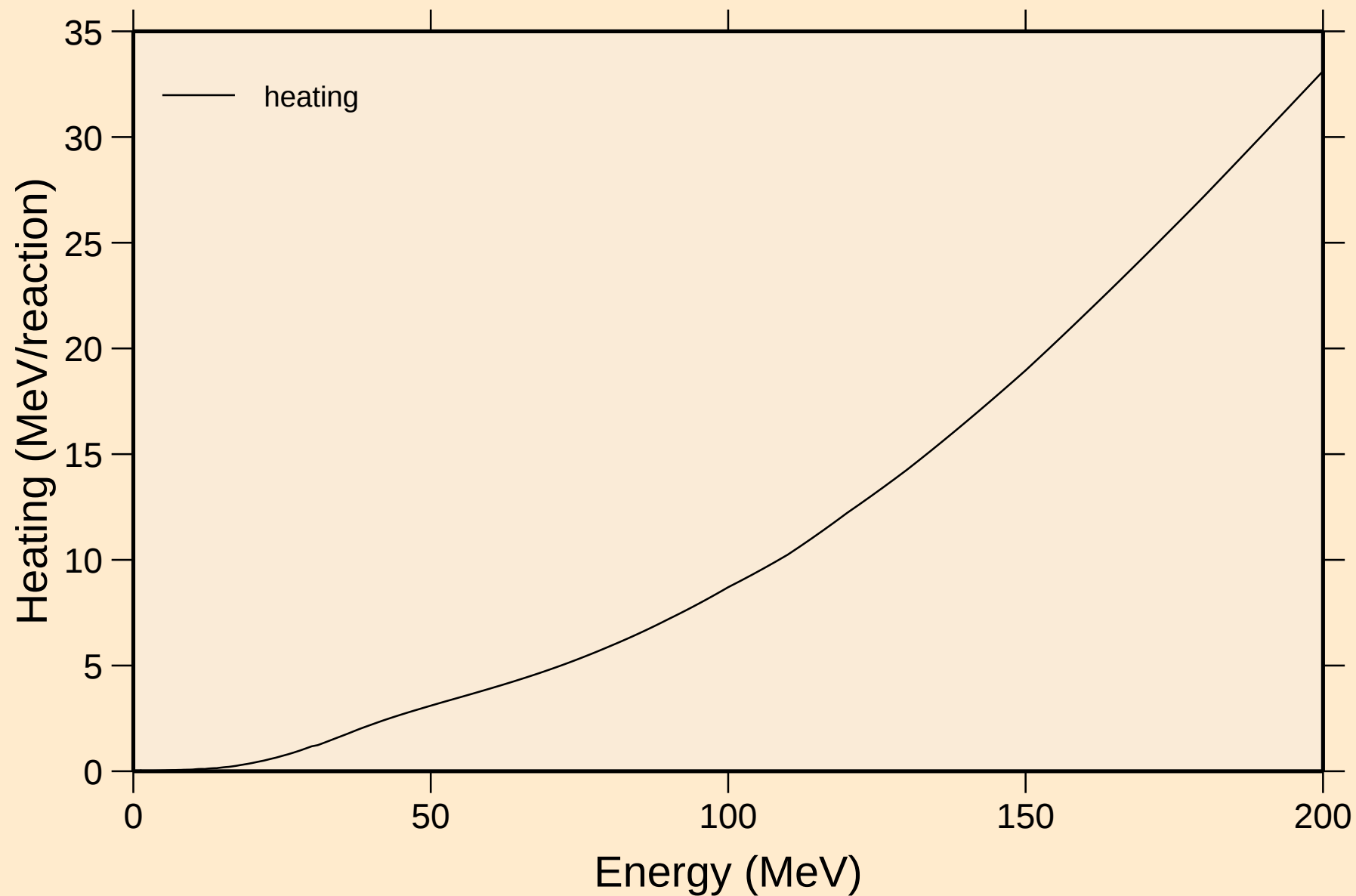
# SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



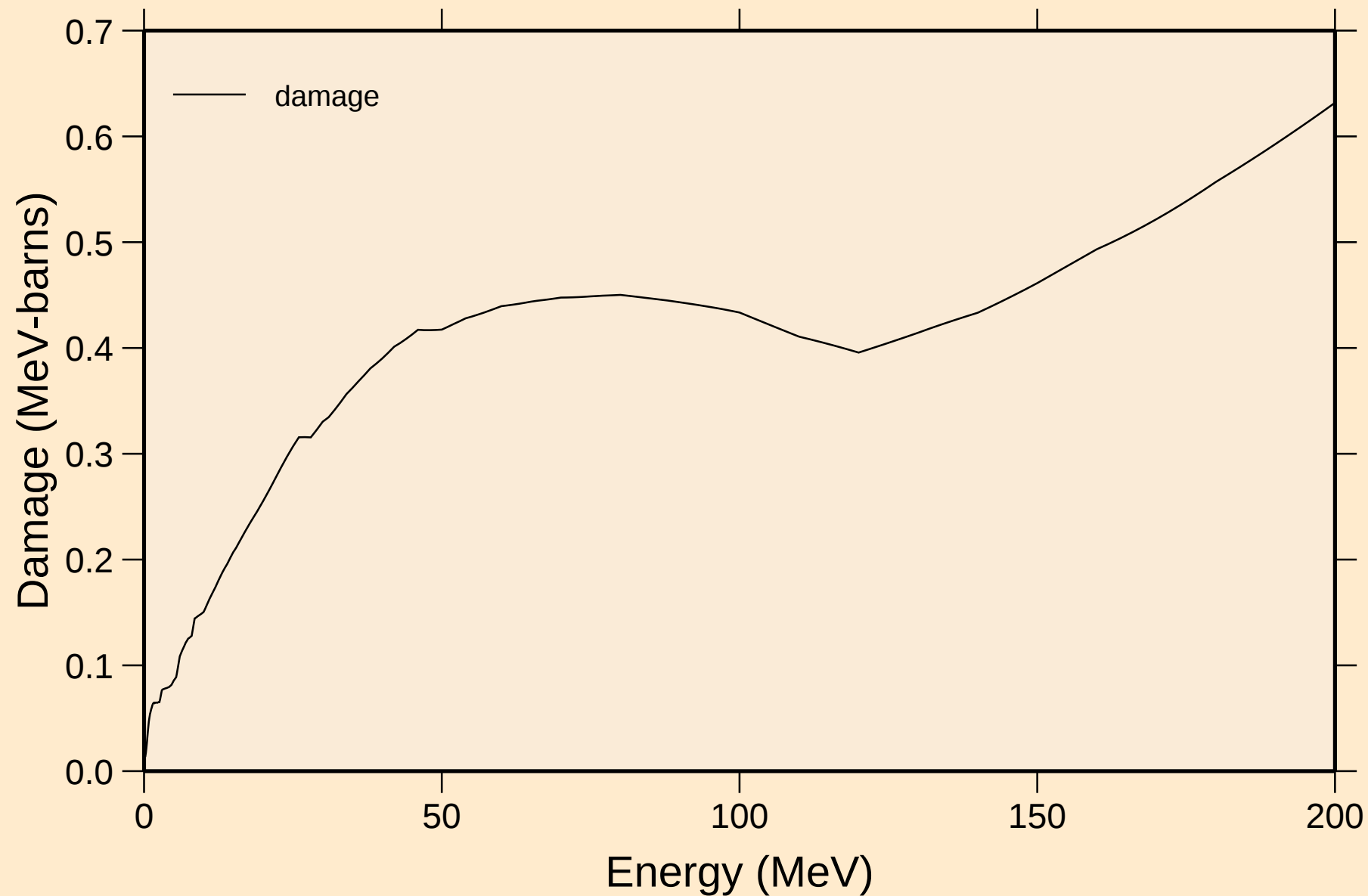
# SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Heating

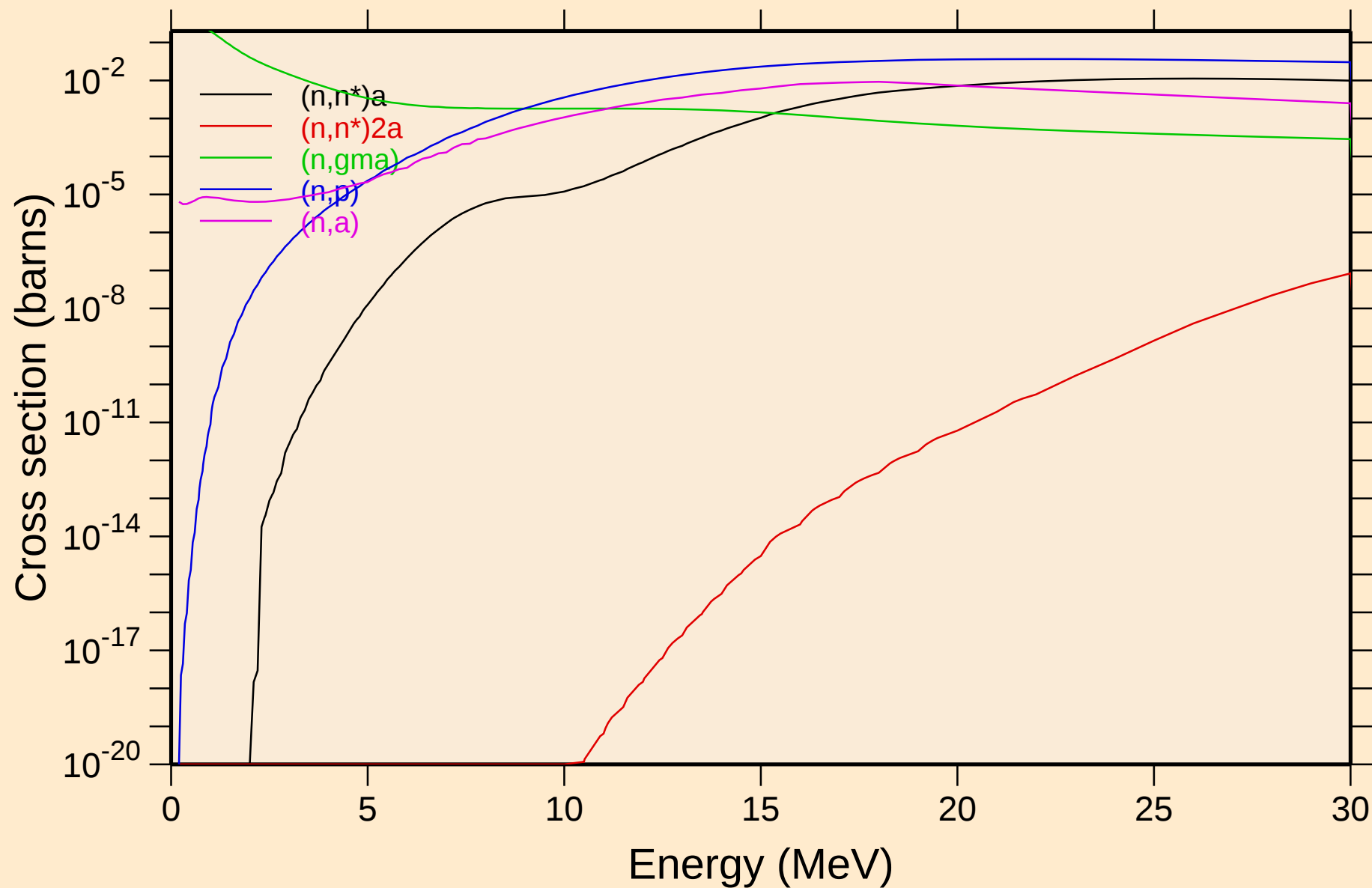


# SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

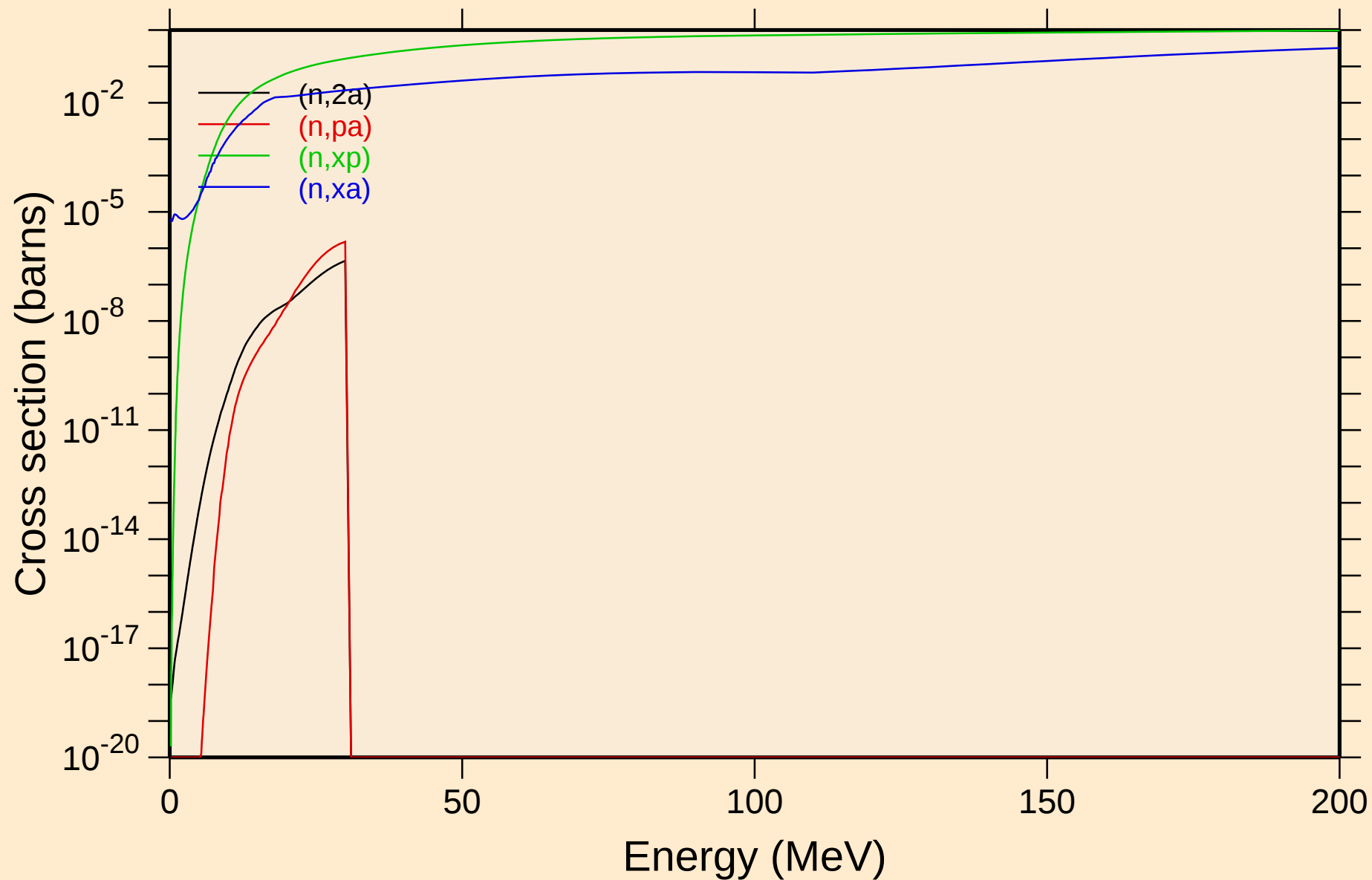
Damage



SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

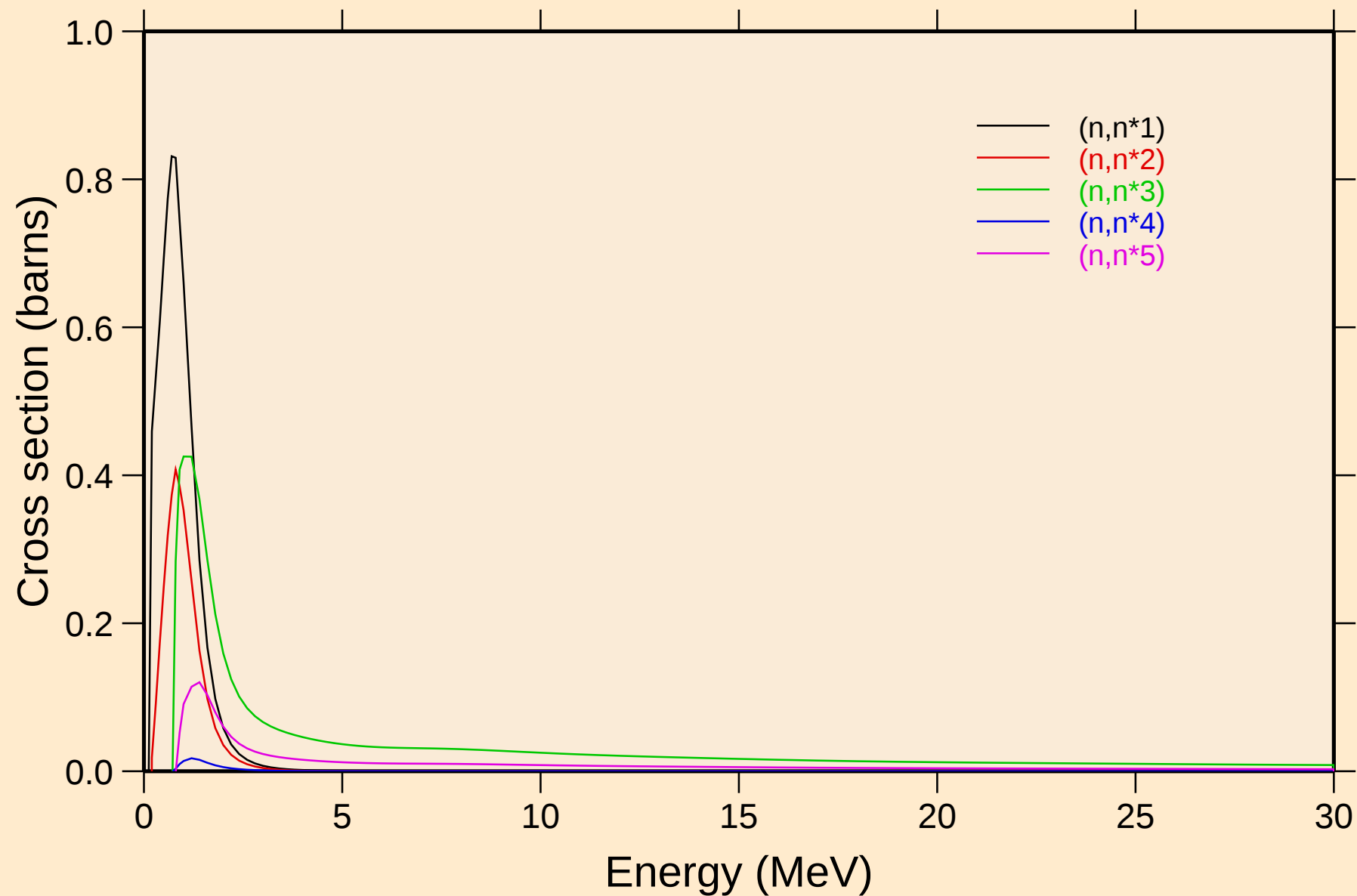


SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



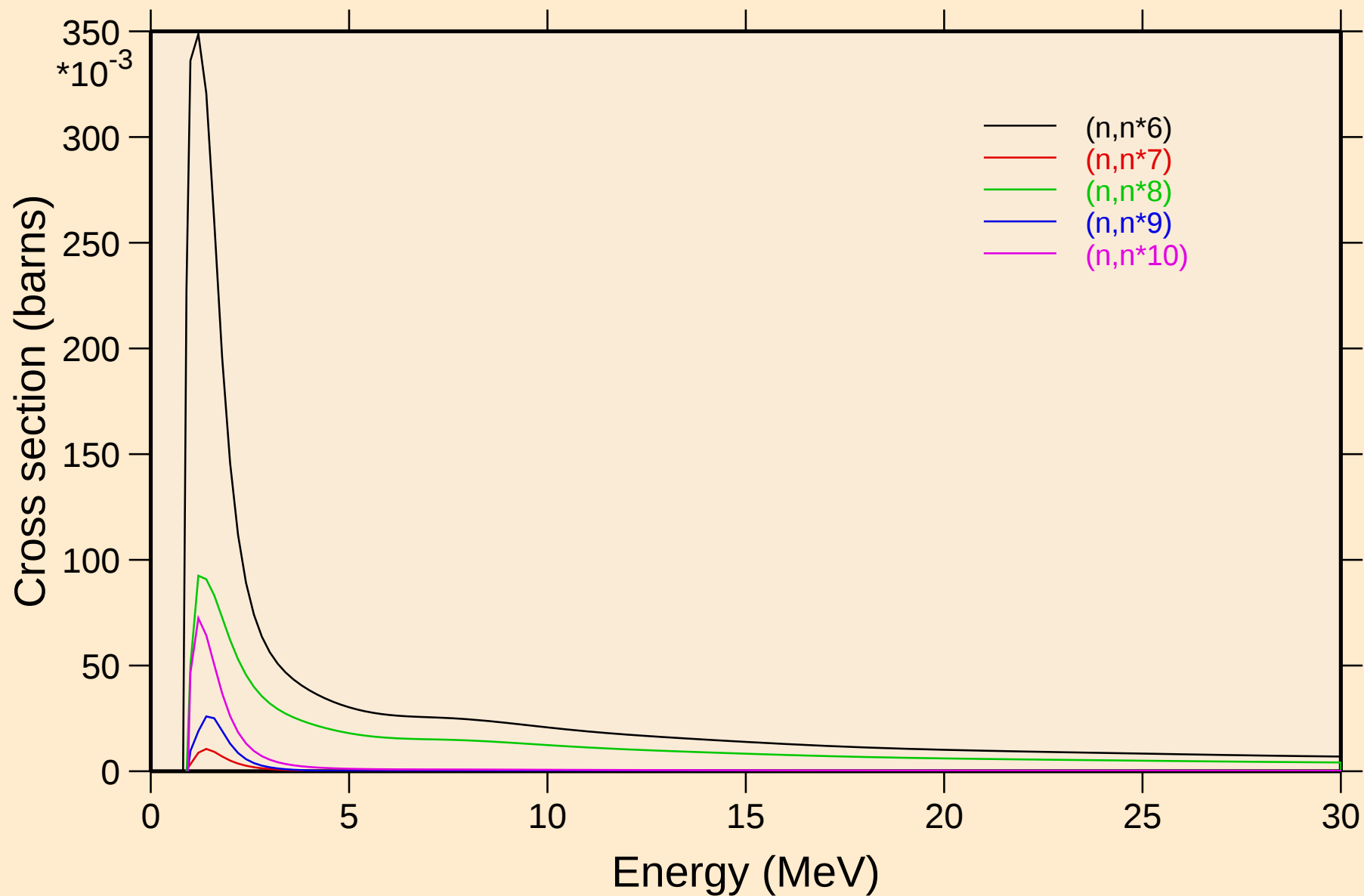
# SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

Inelastic levels

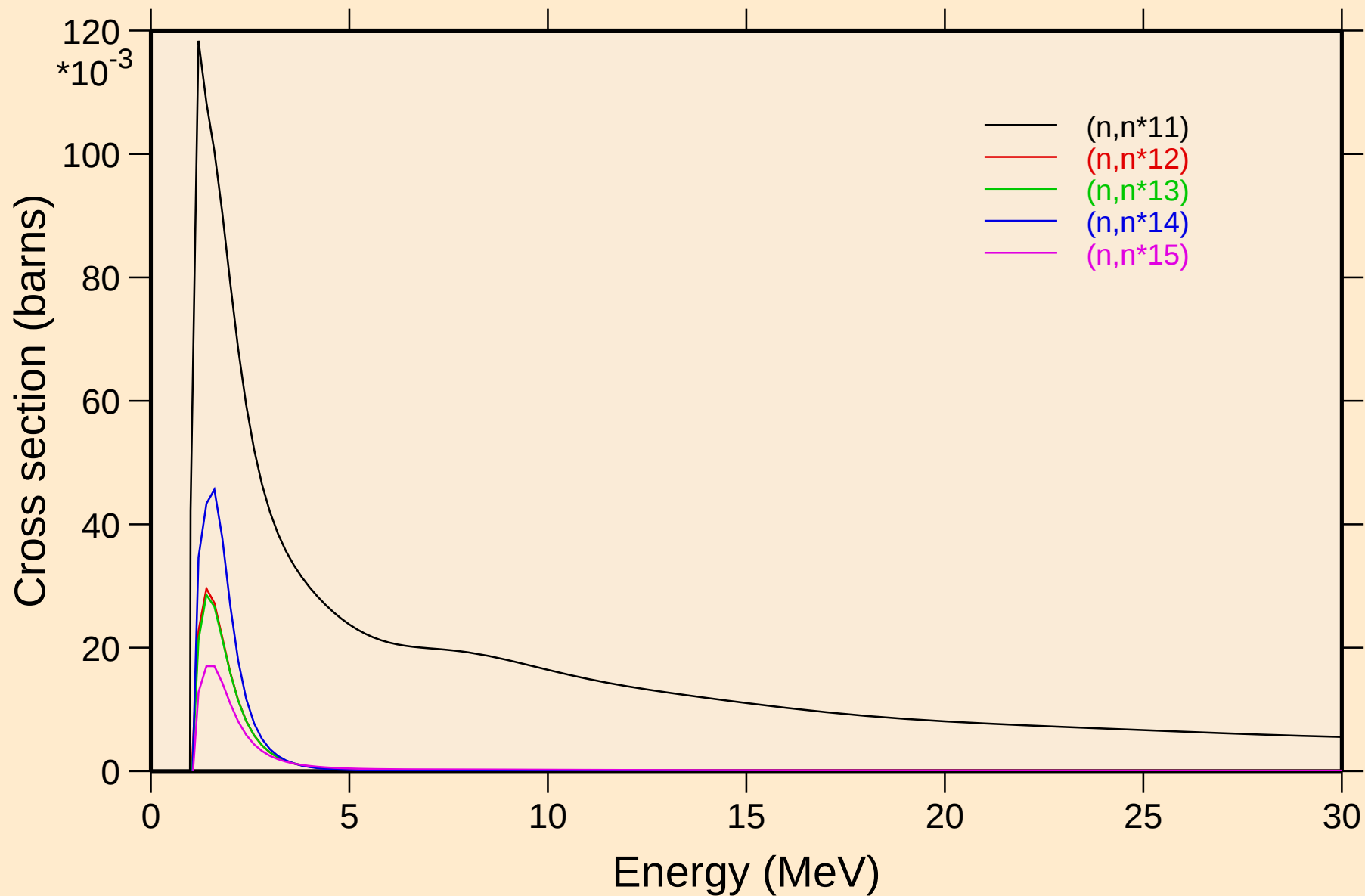


# SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

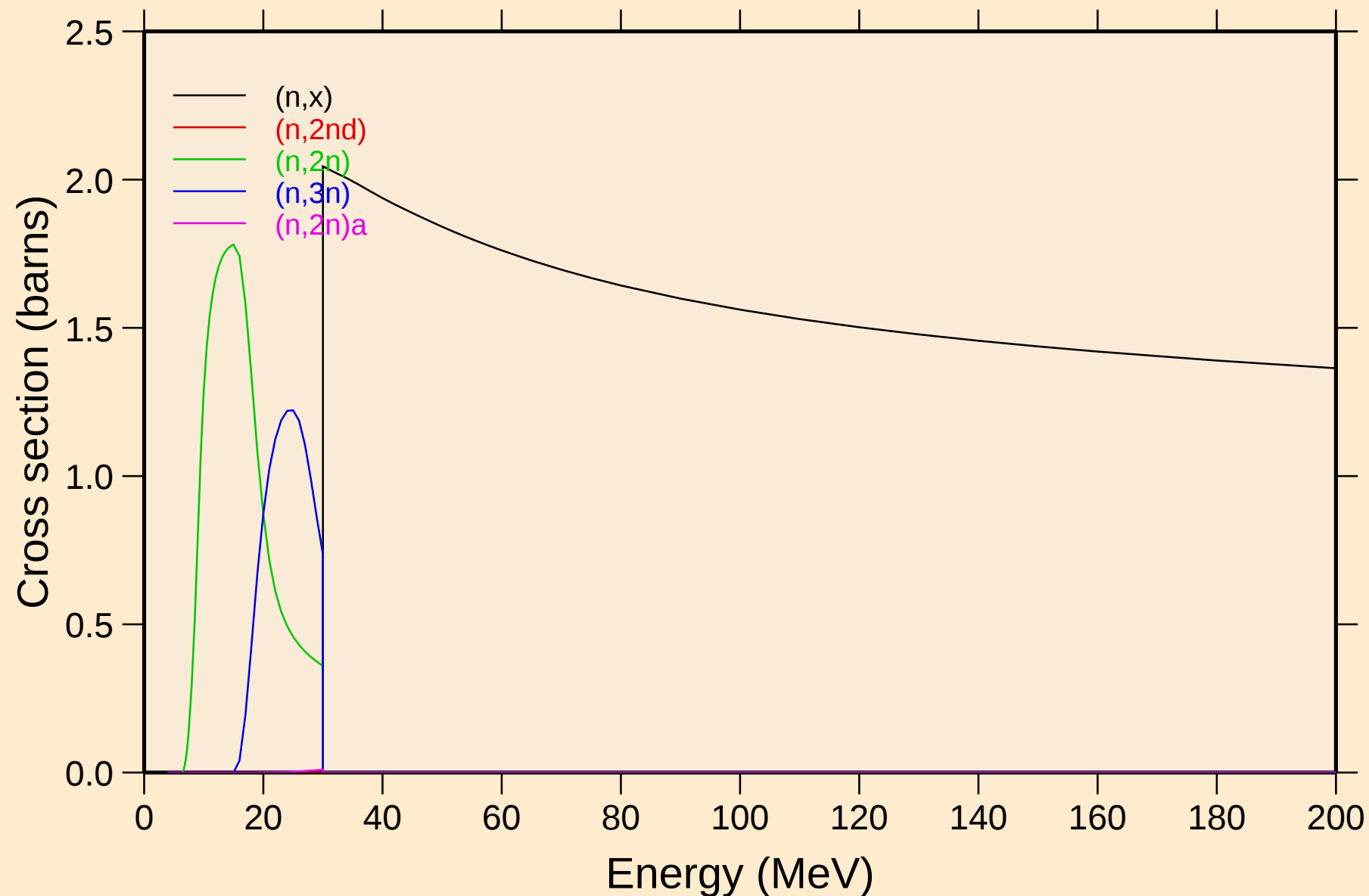


SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

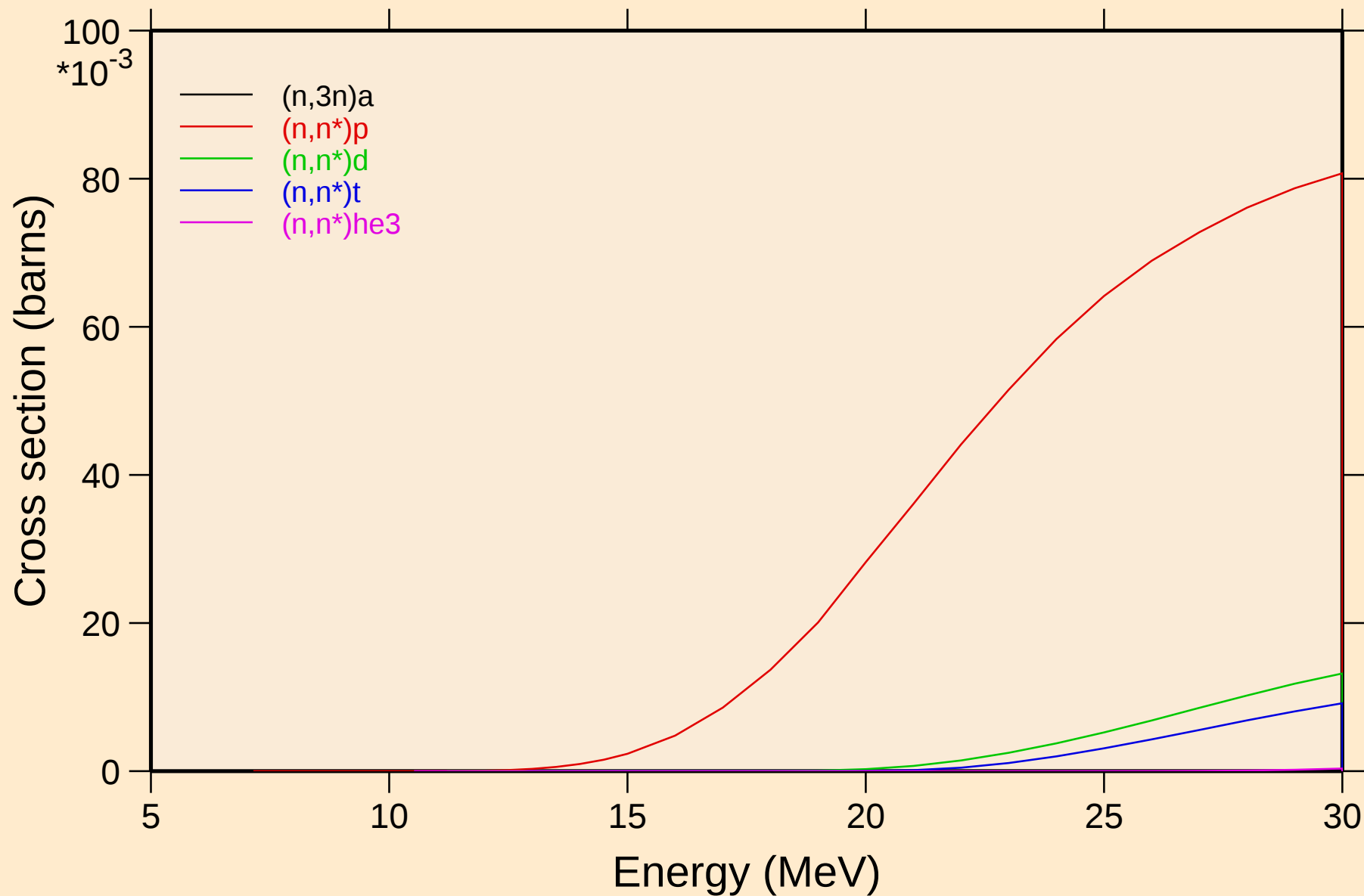


# SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

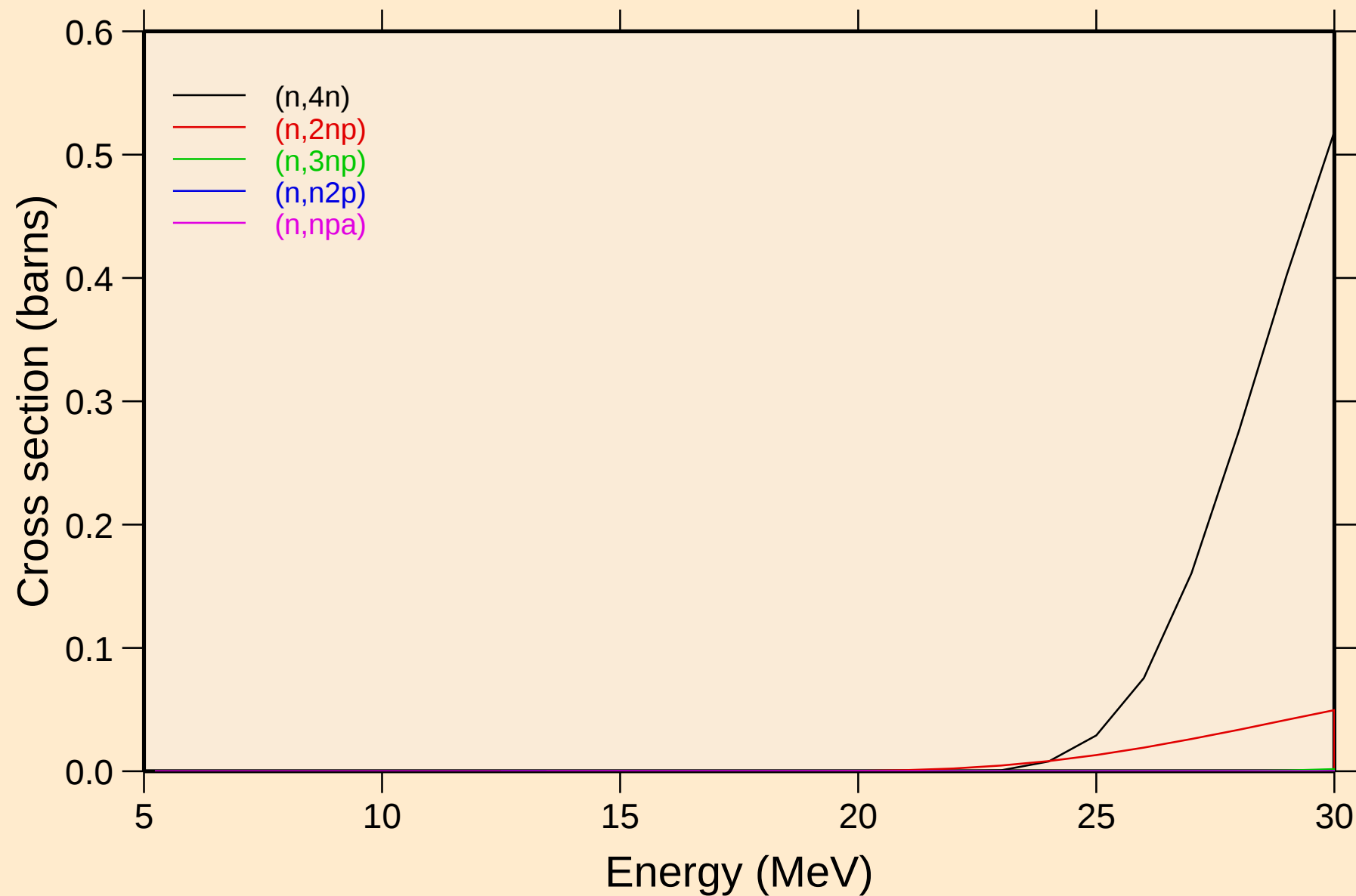
## Threshold reactions



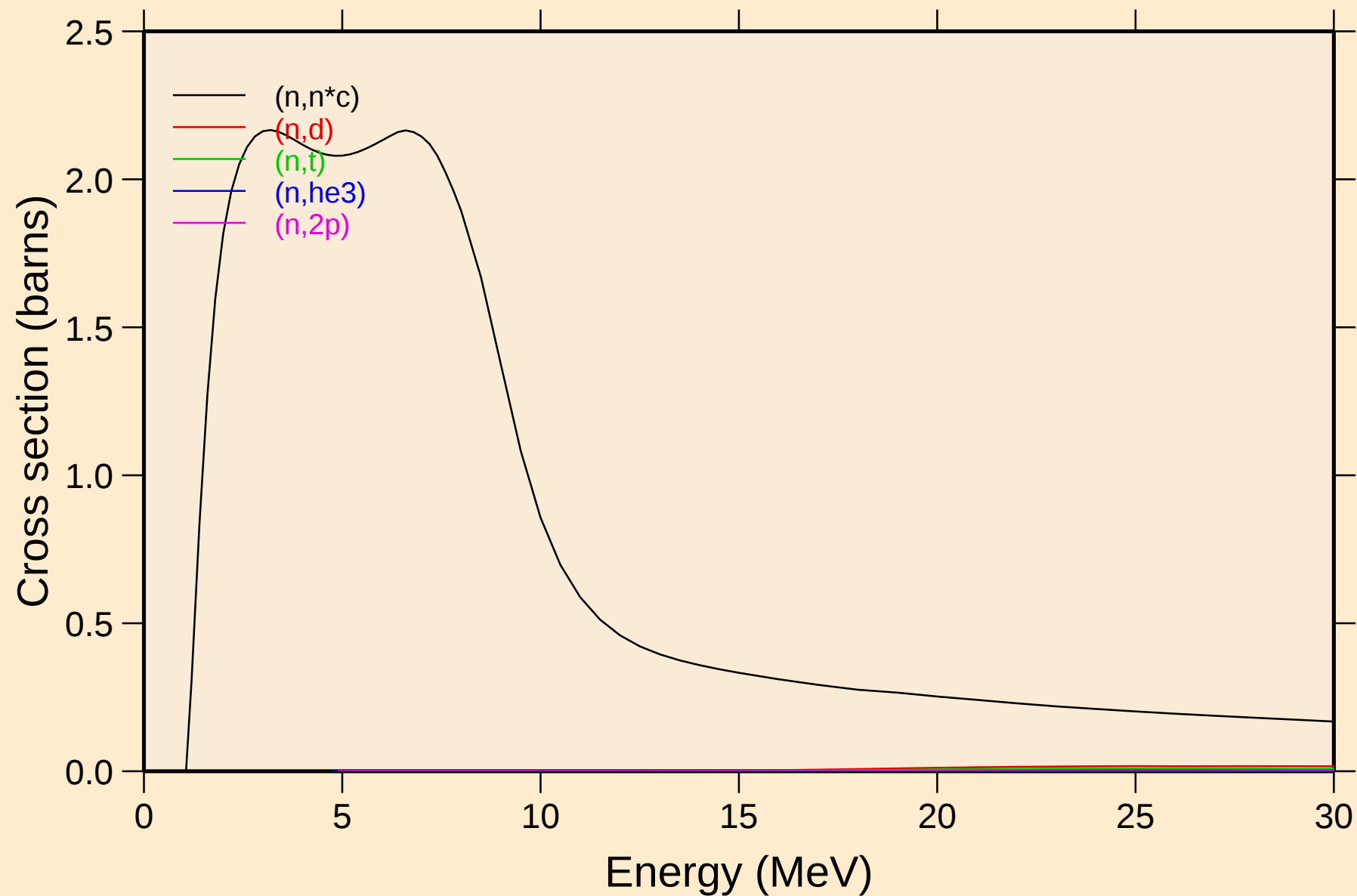
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



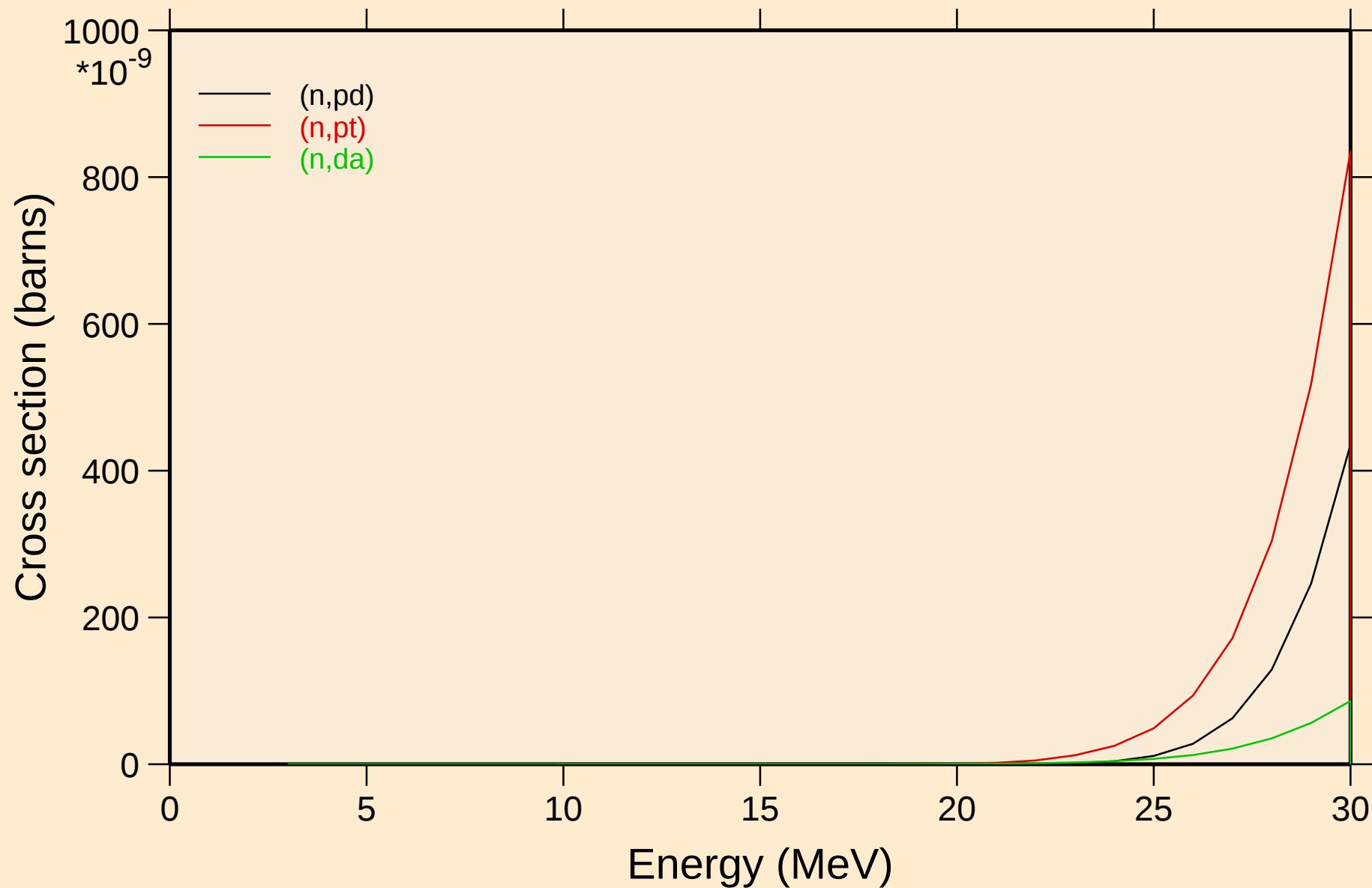
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



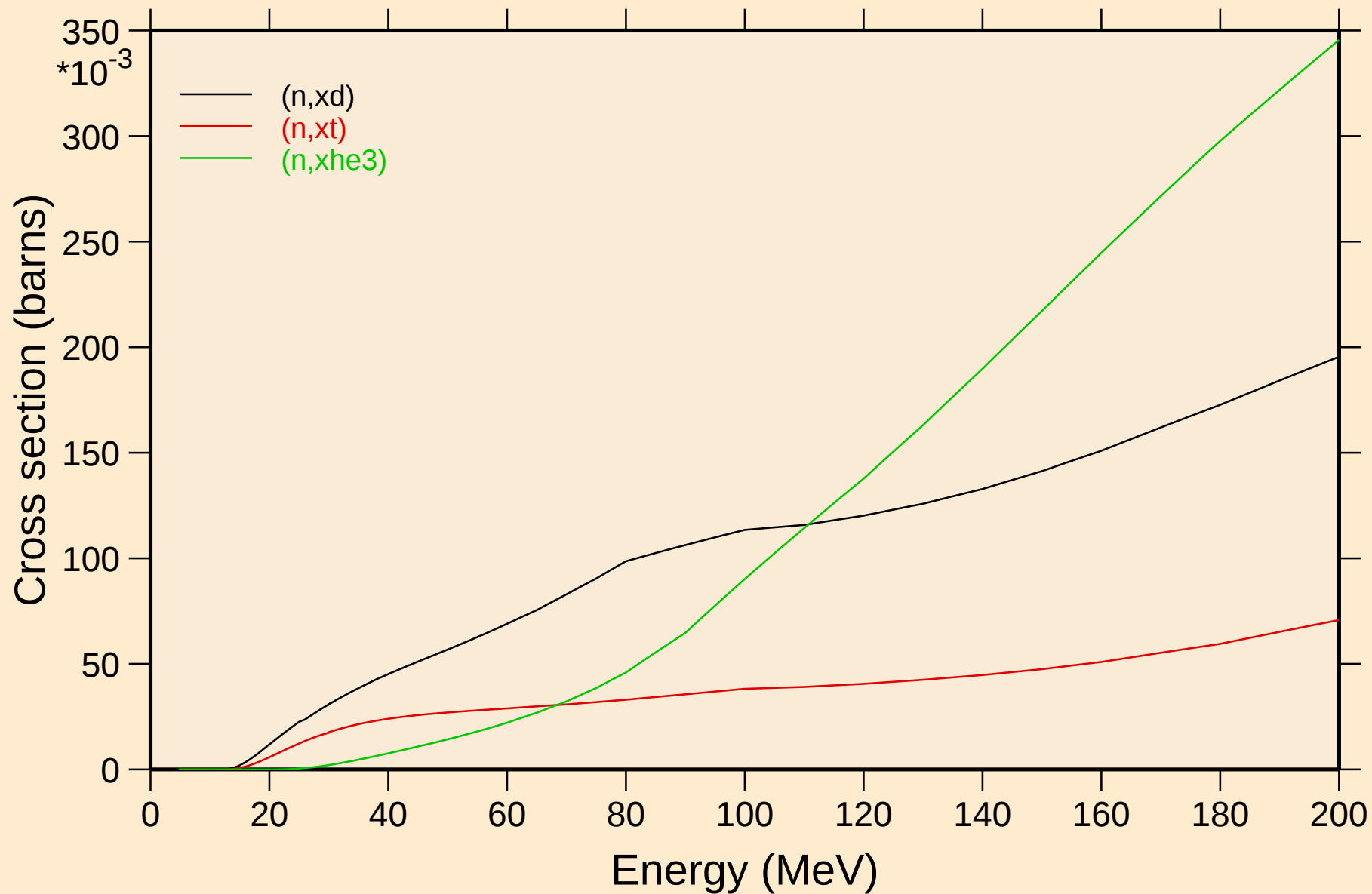
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



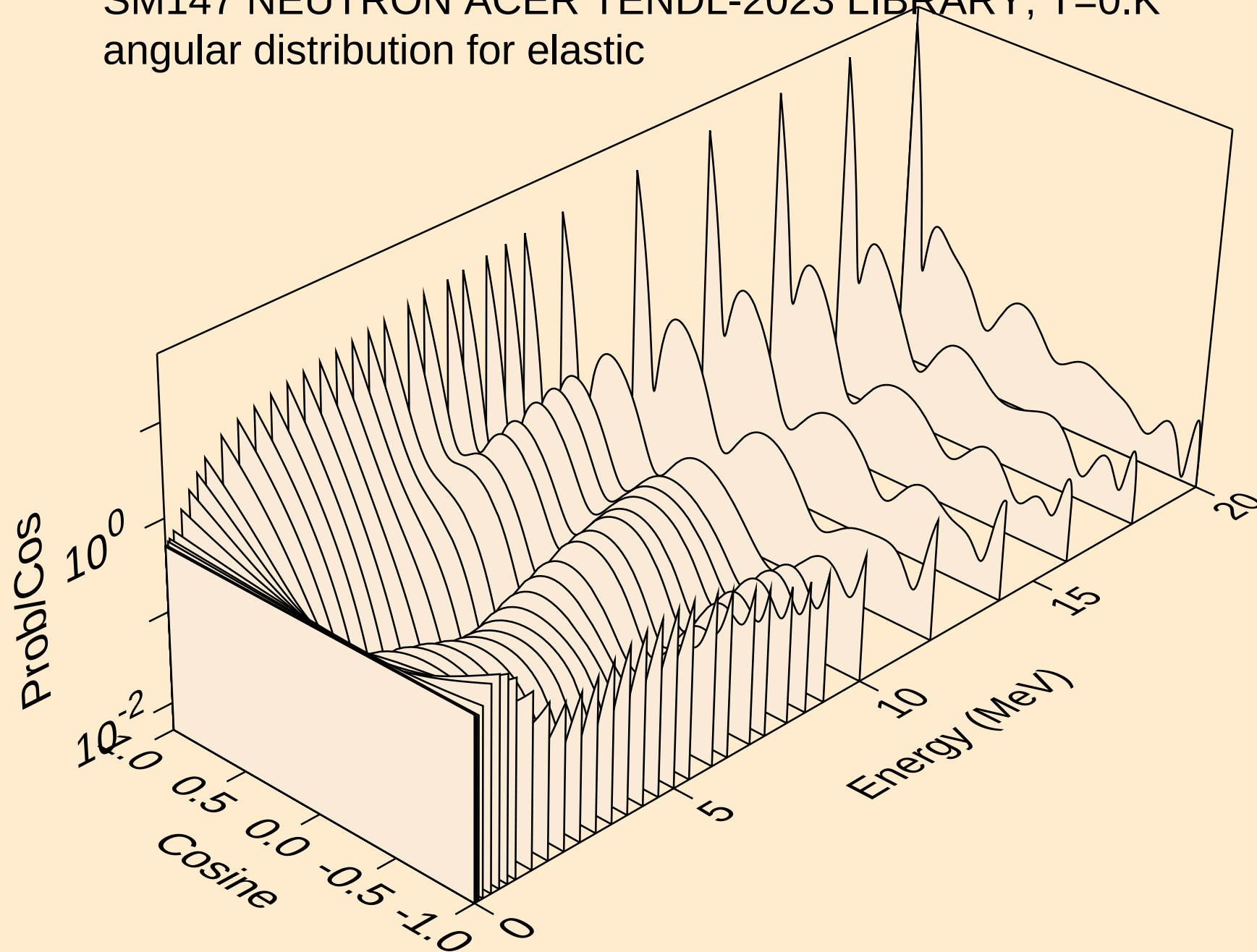
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



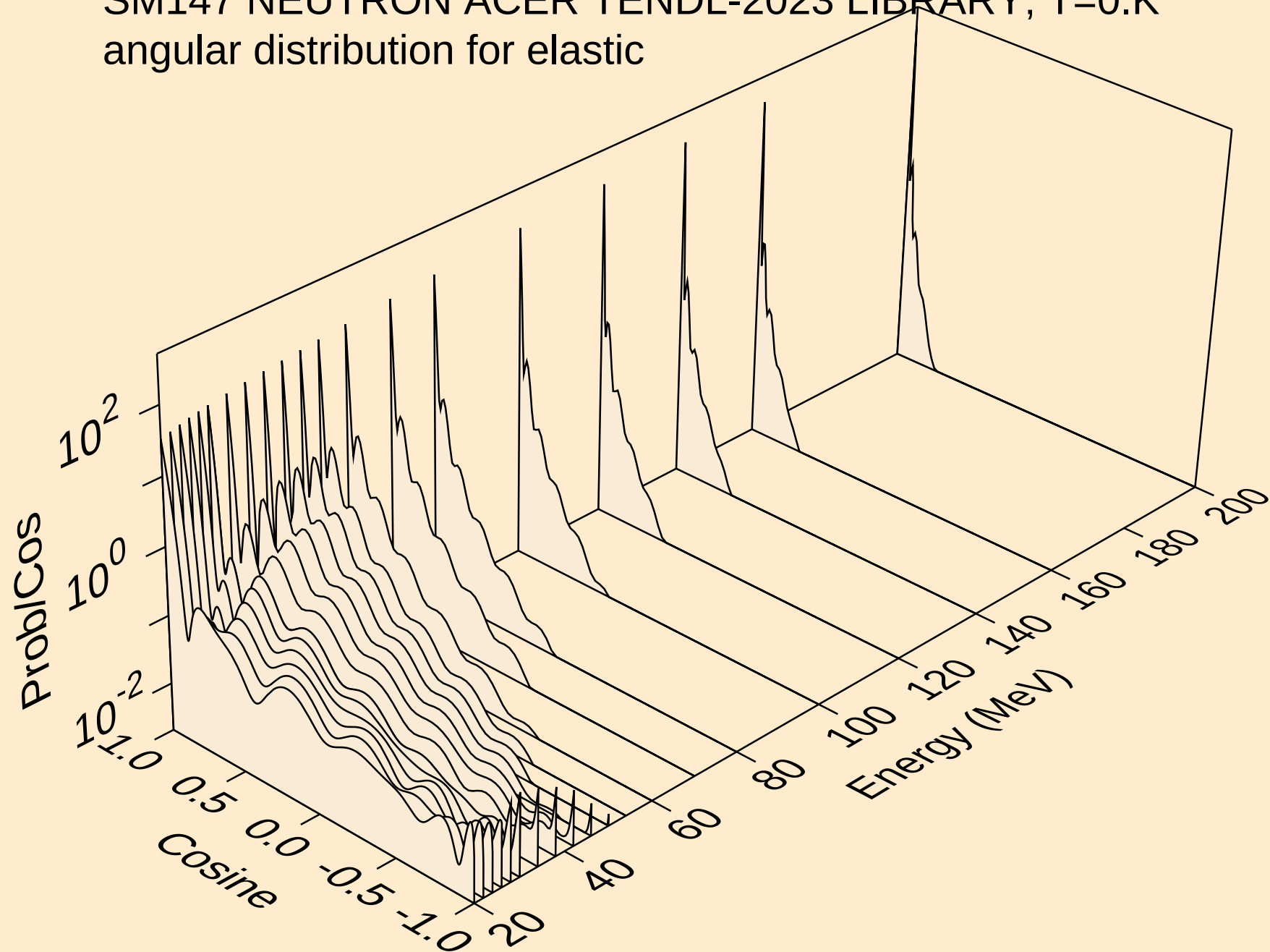
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



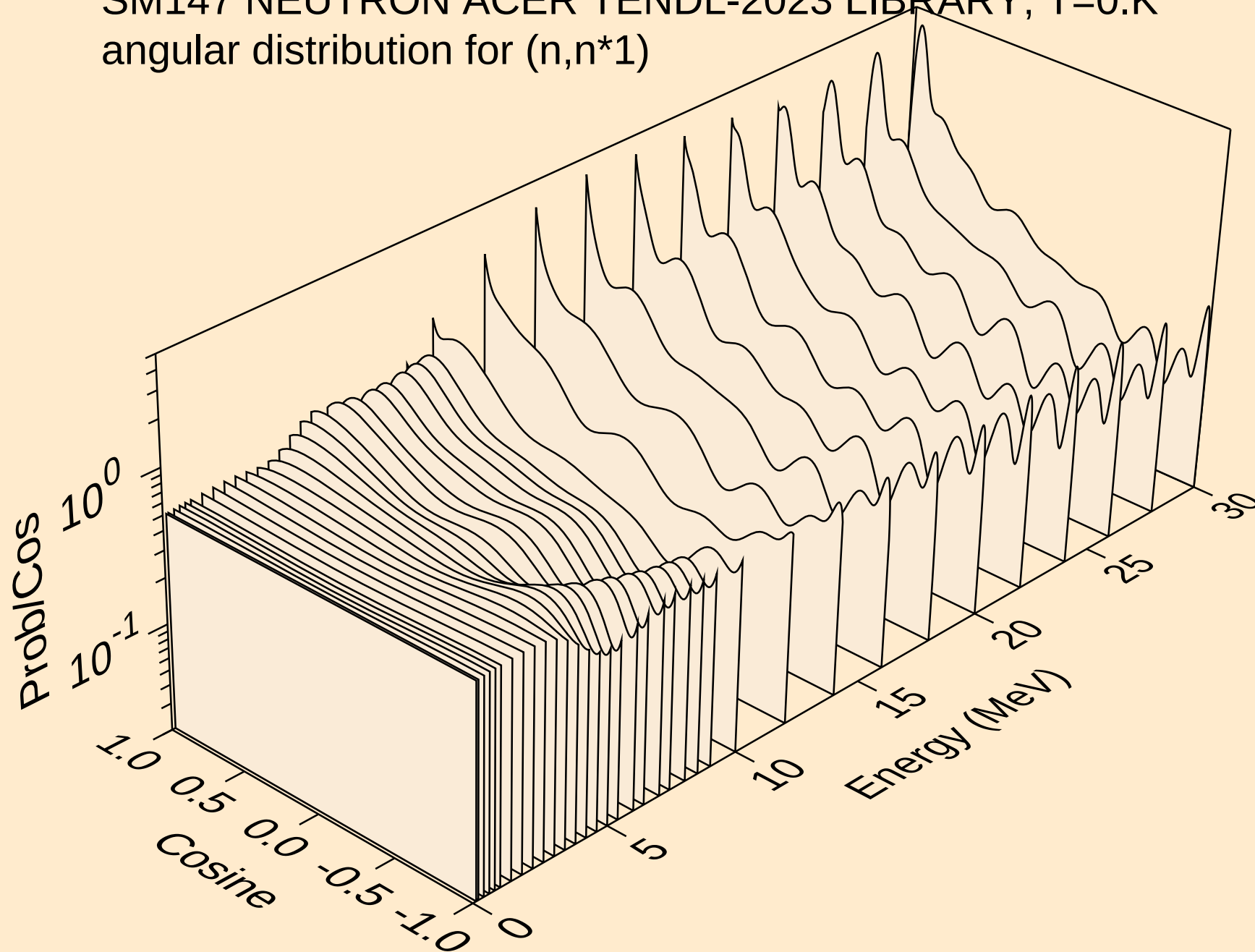
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



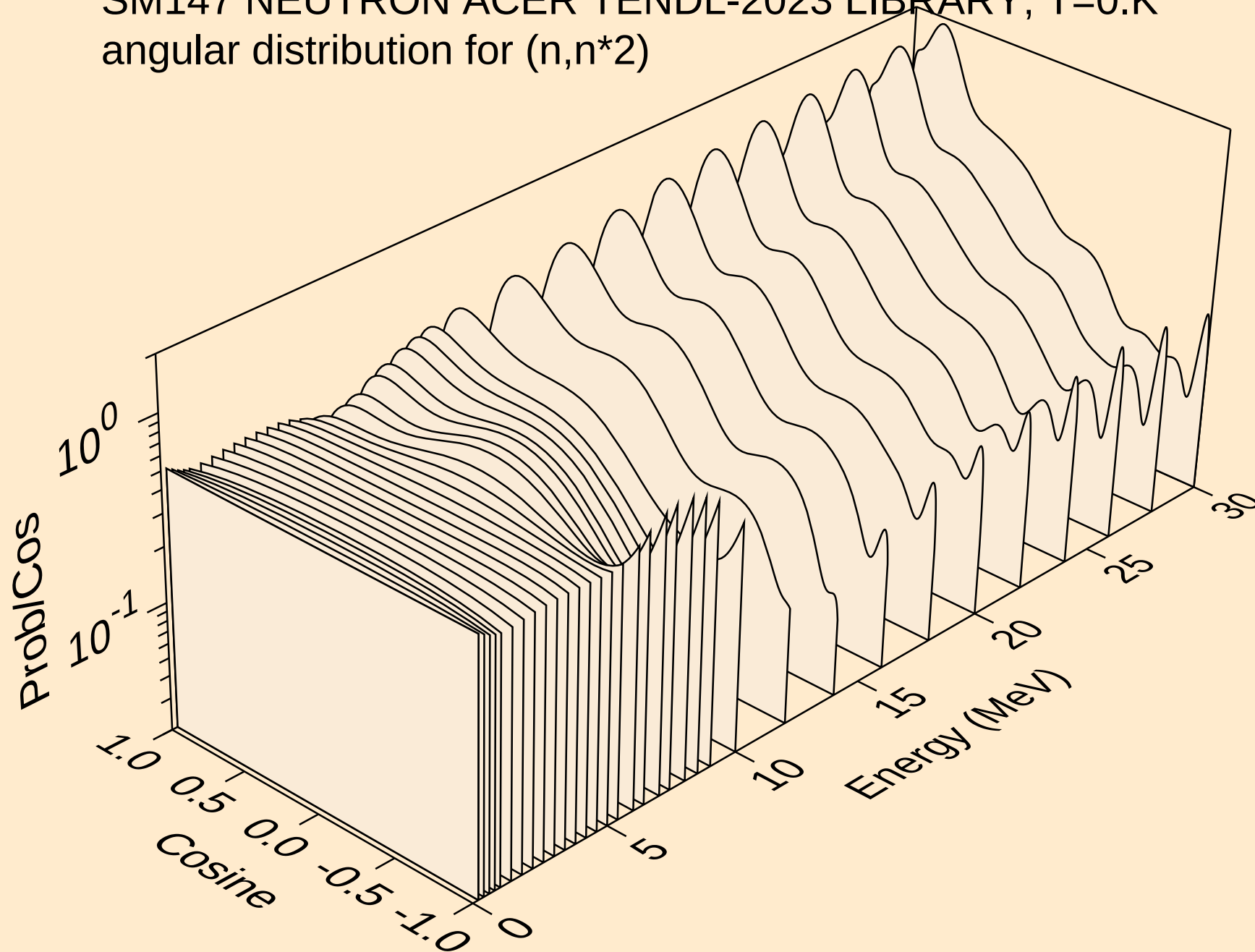
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



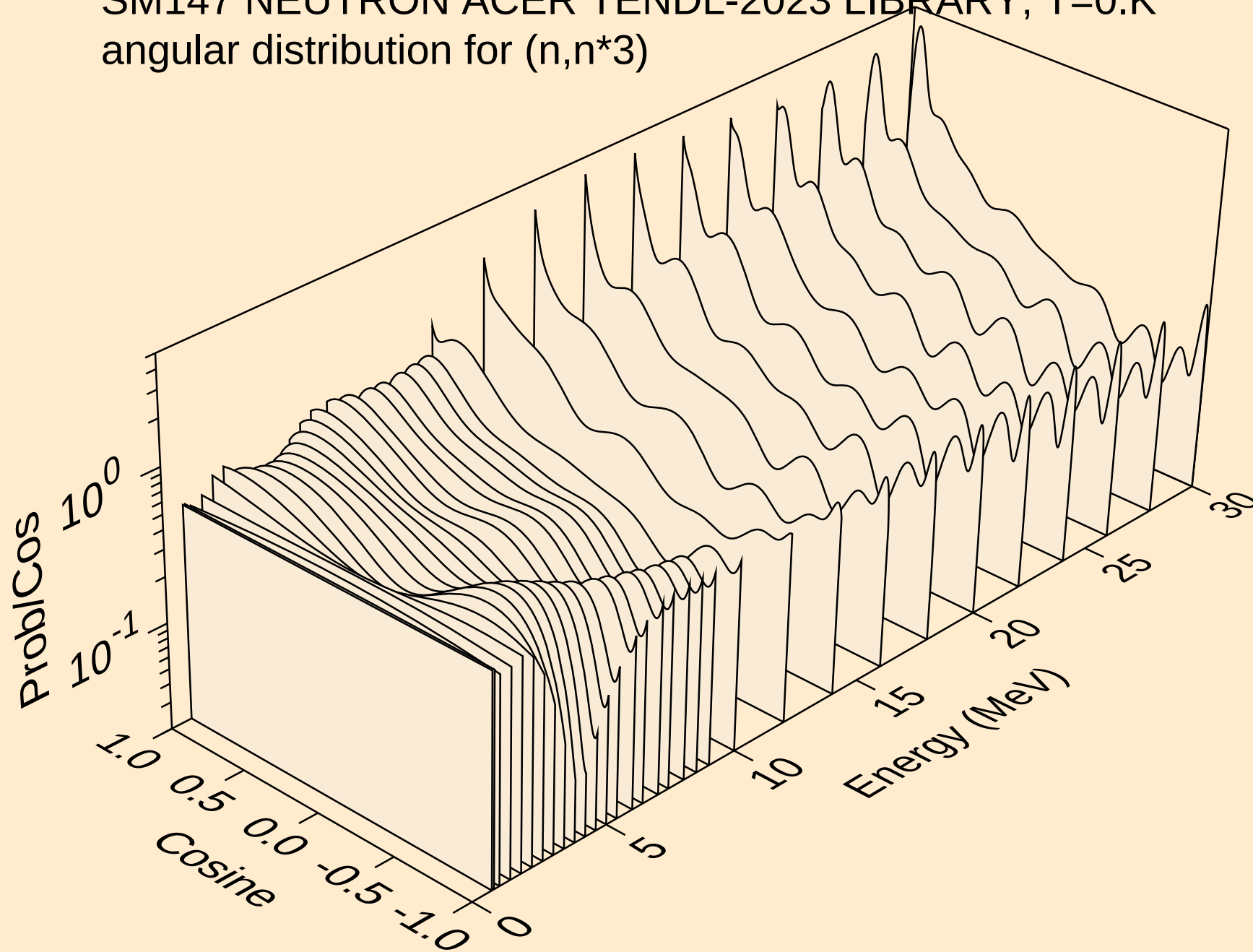
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



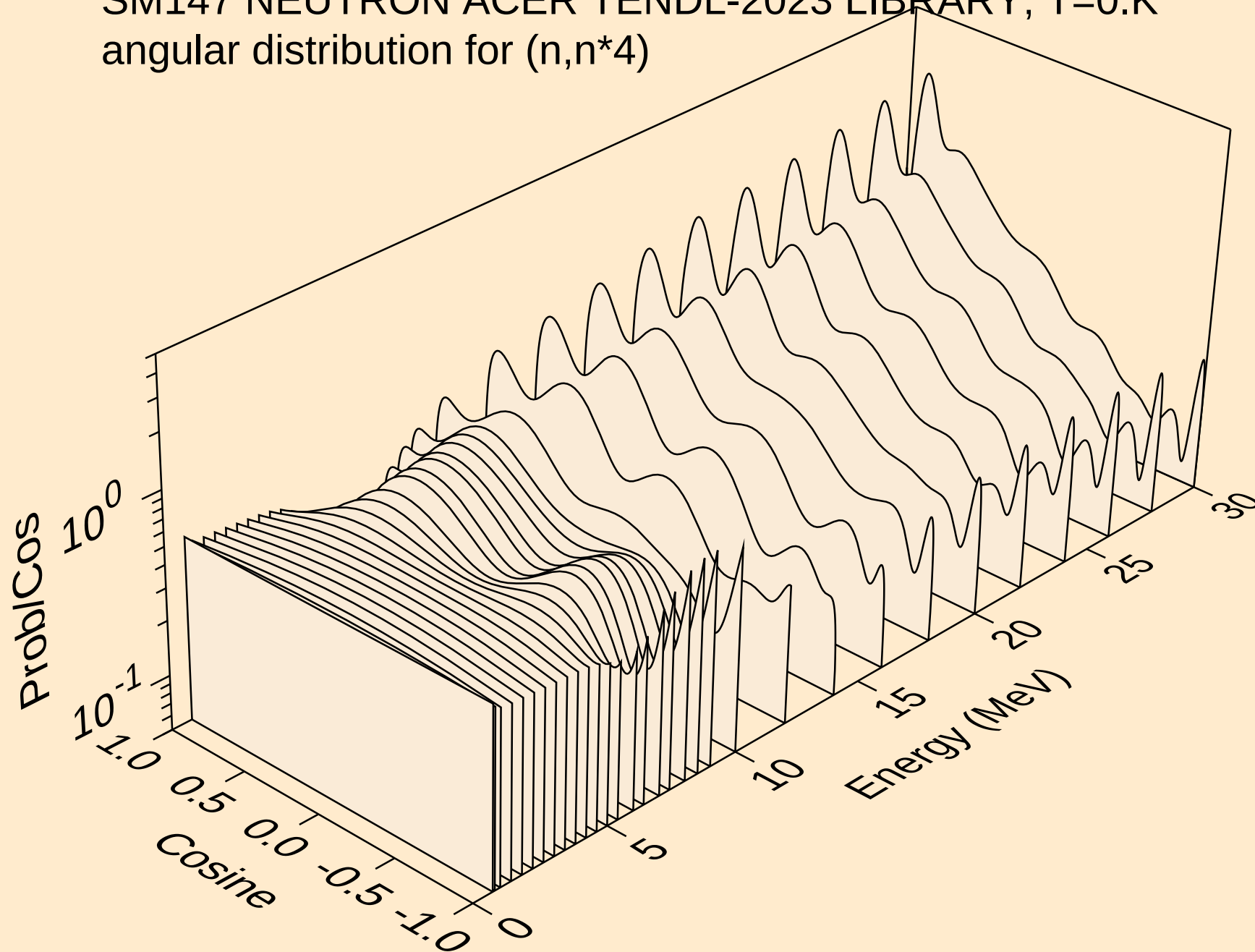
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



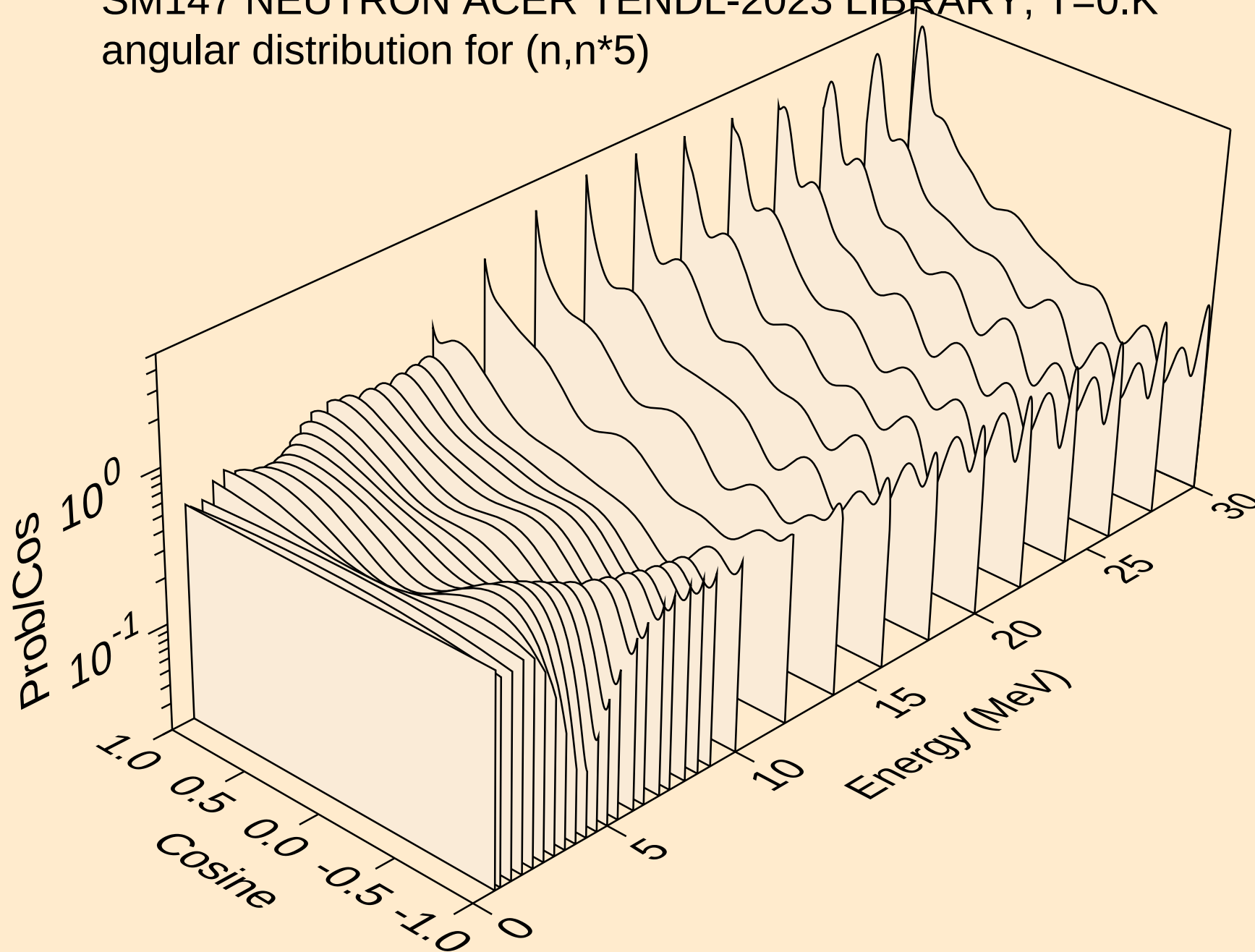
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



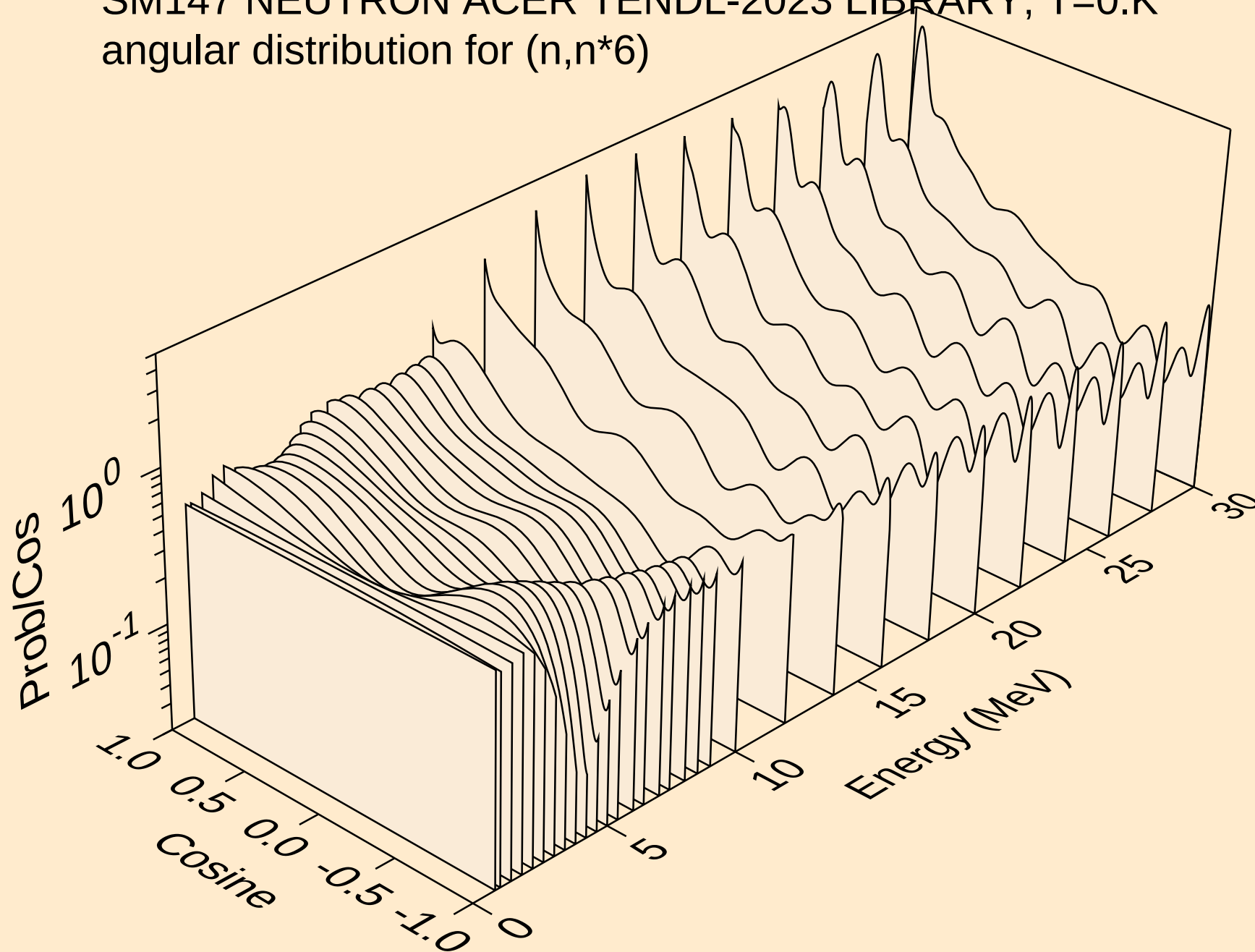
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



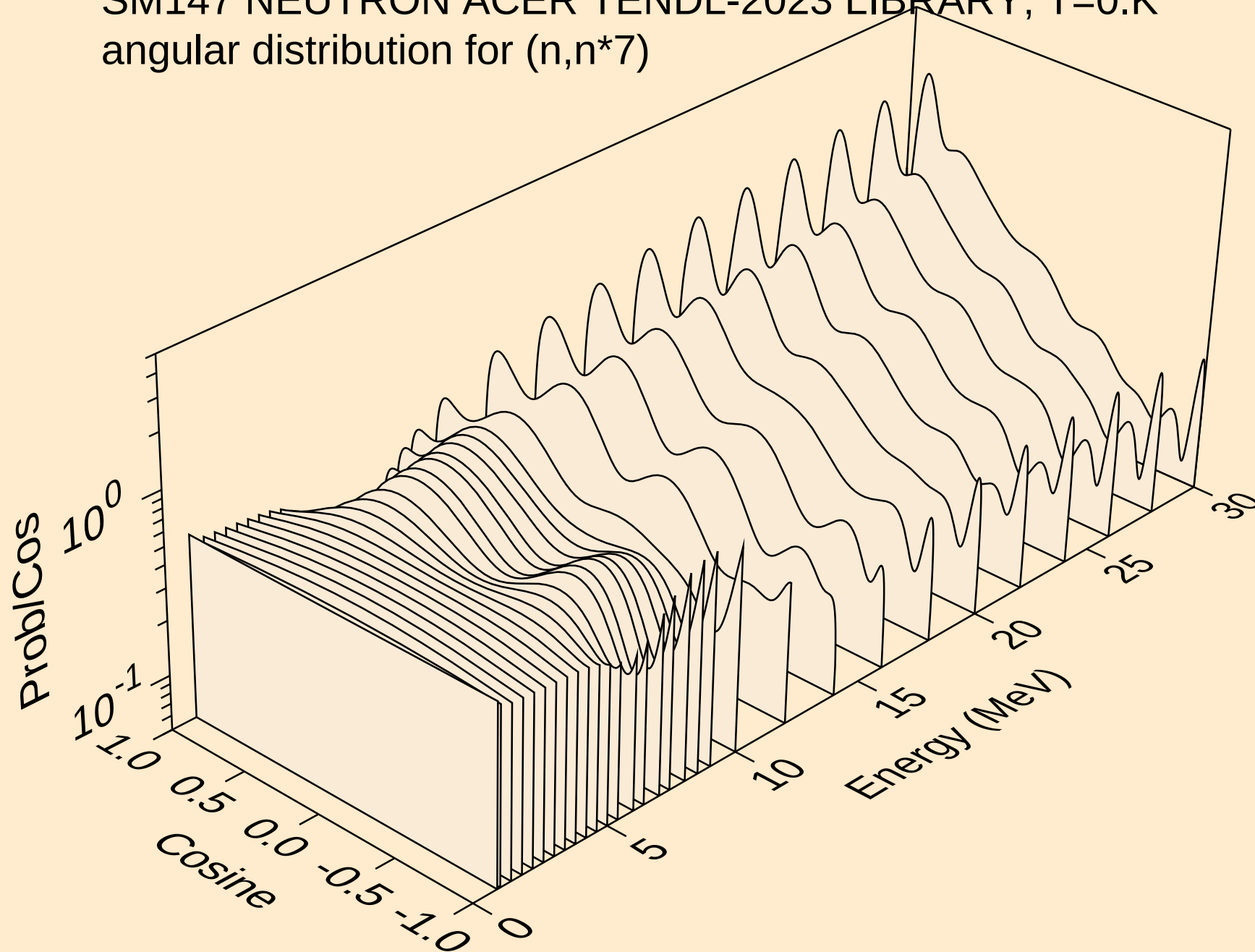
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



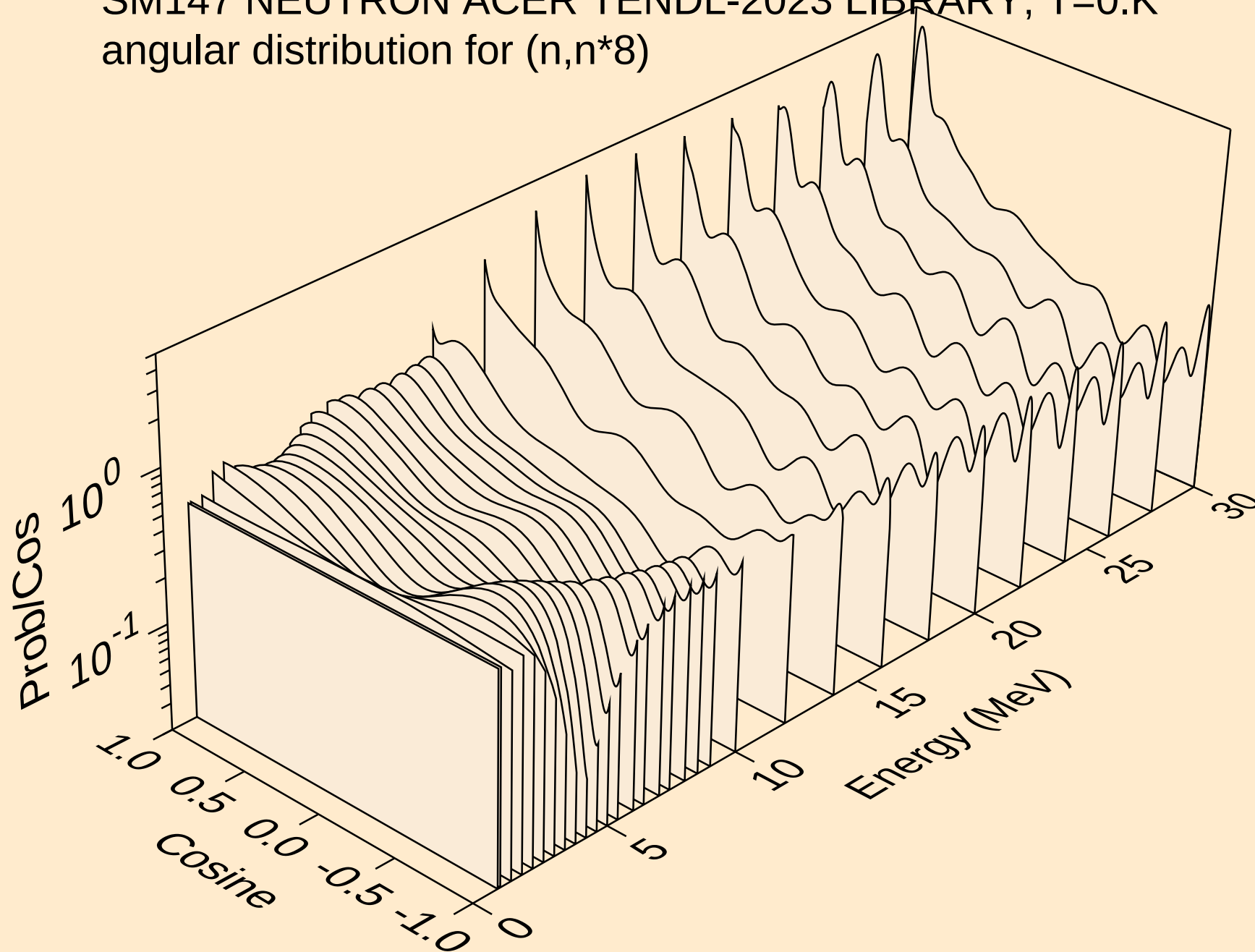
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



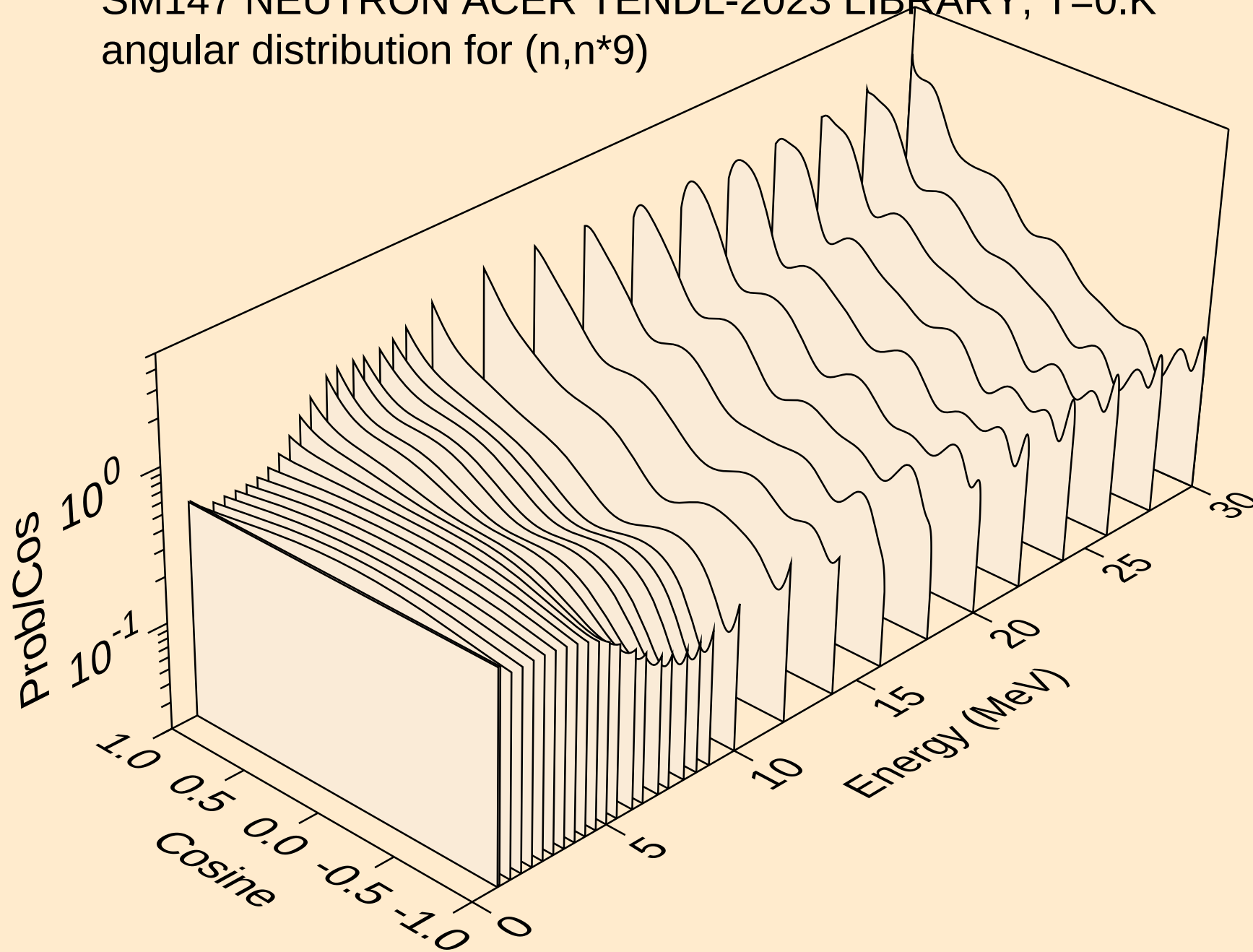
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



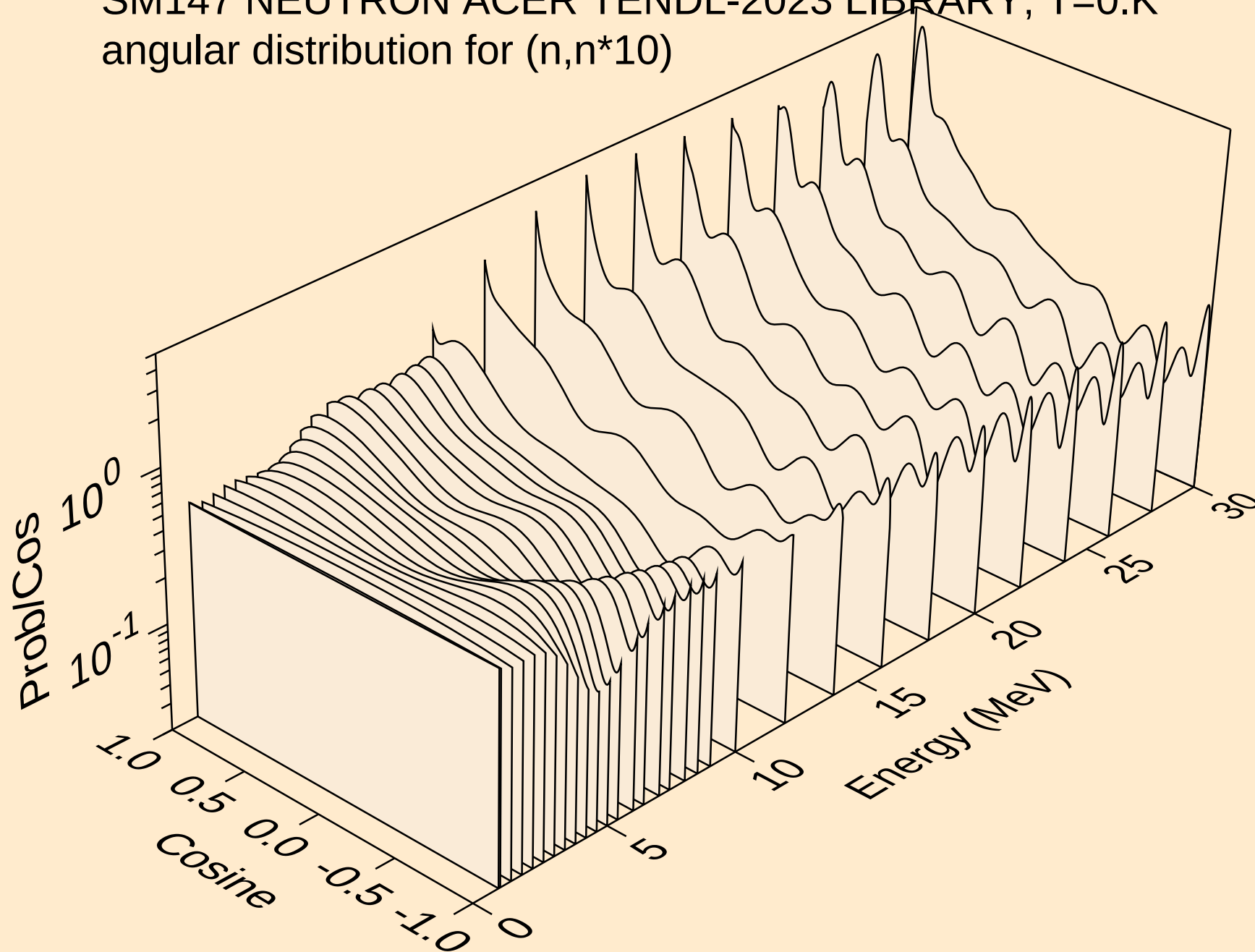
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



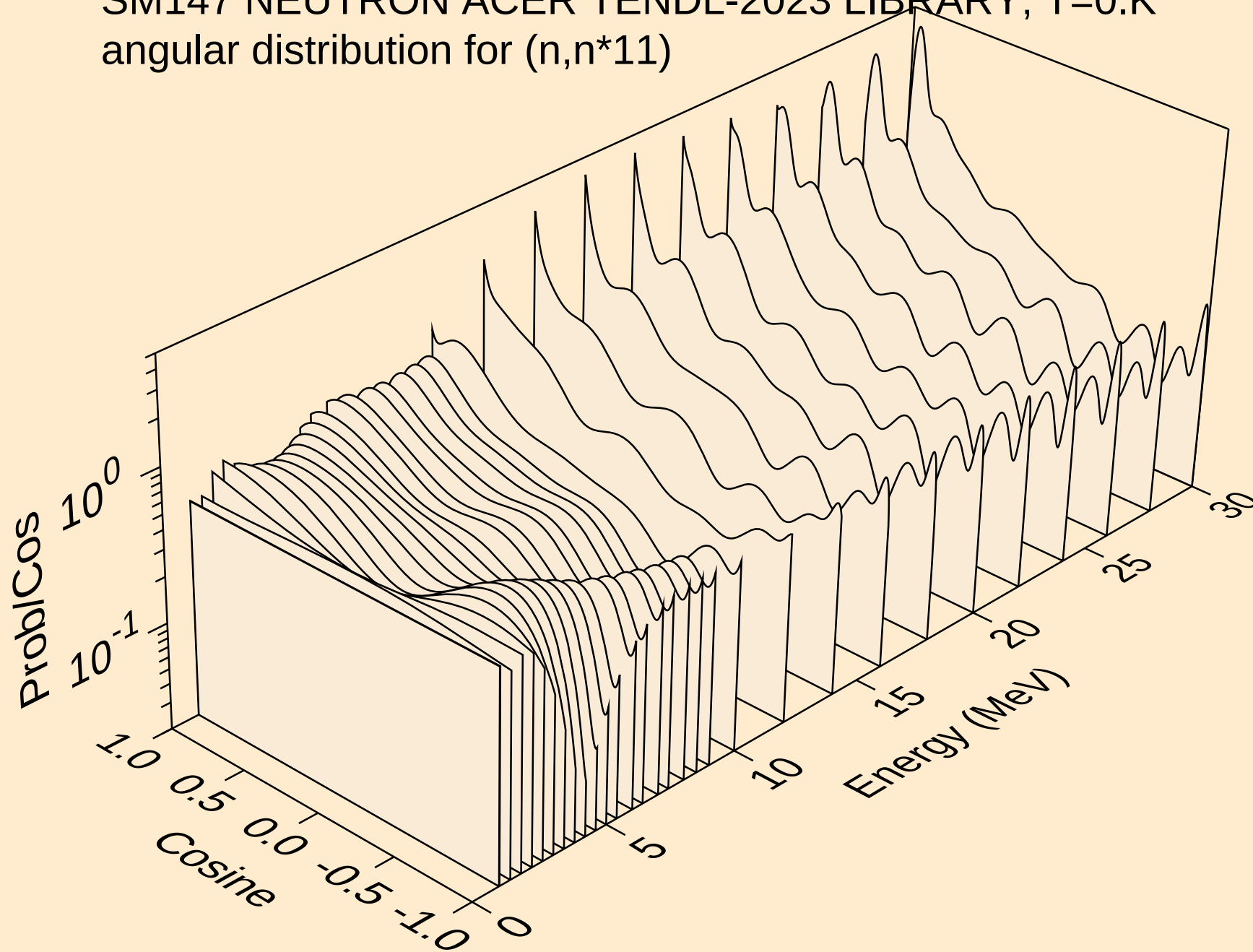
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



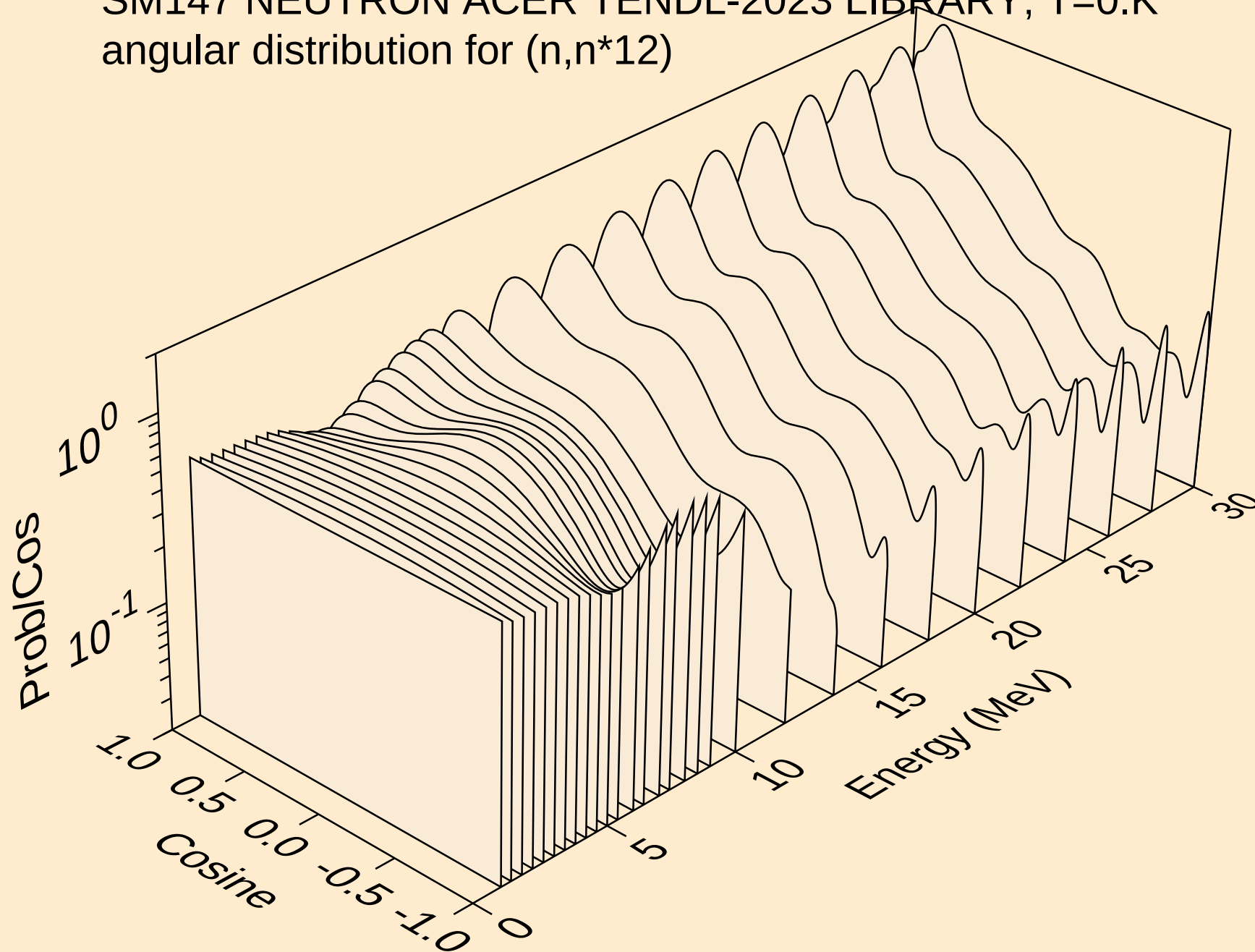
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



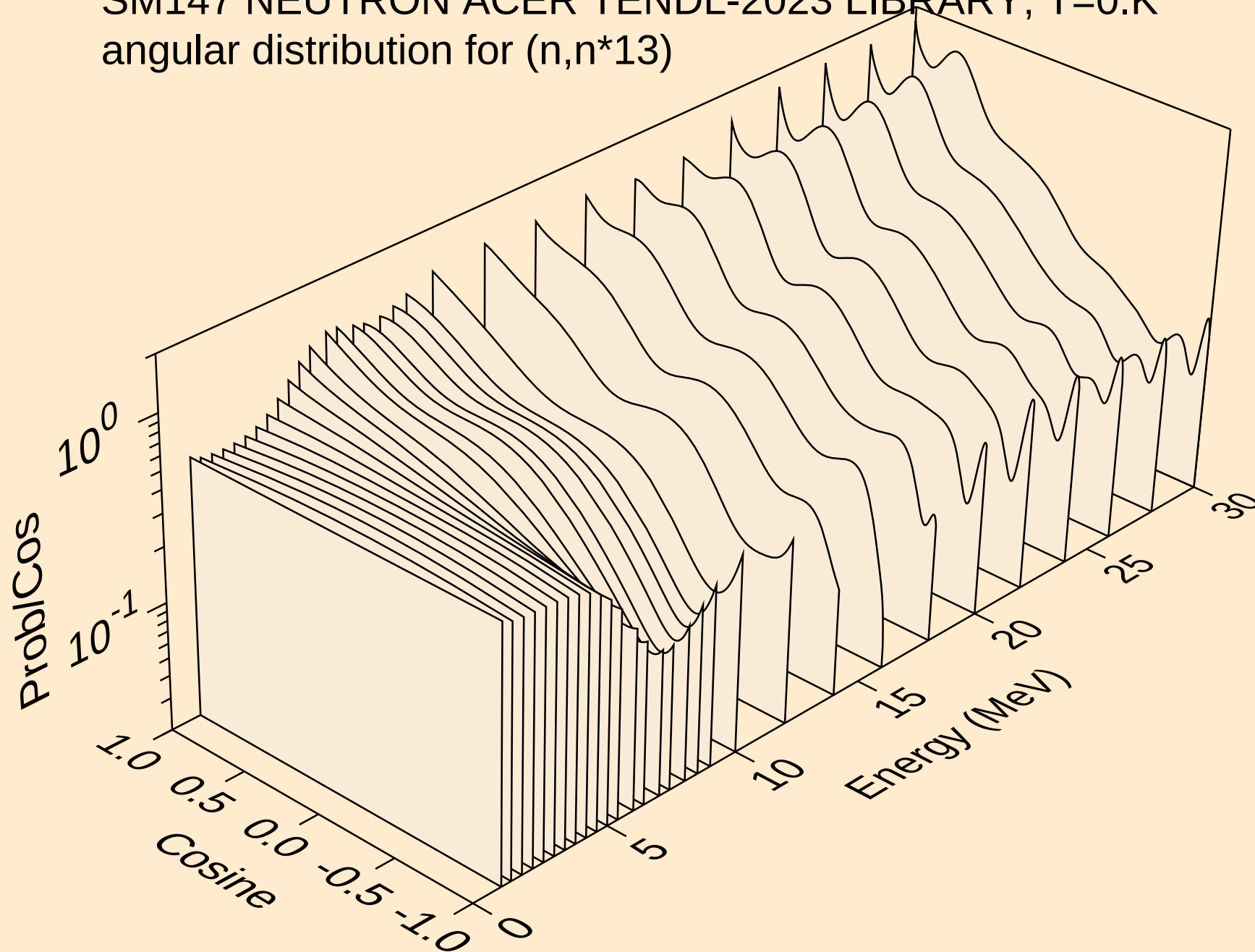
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



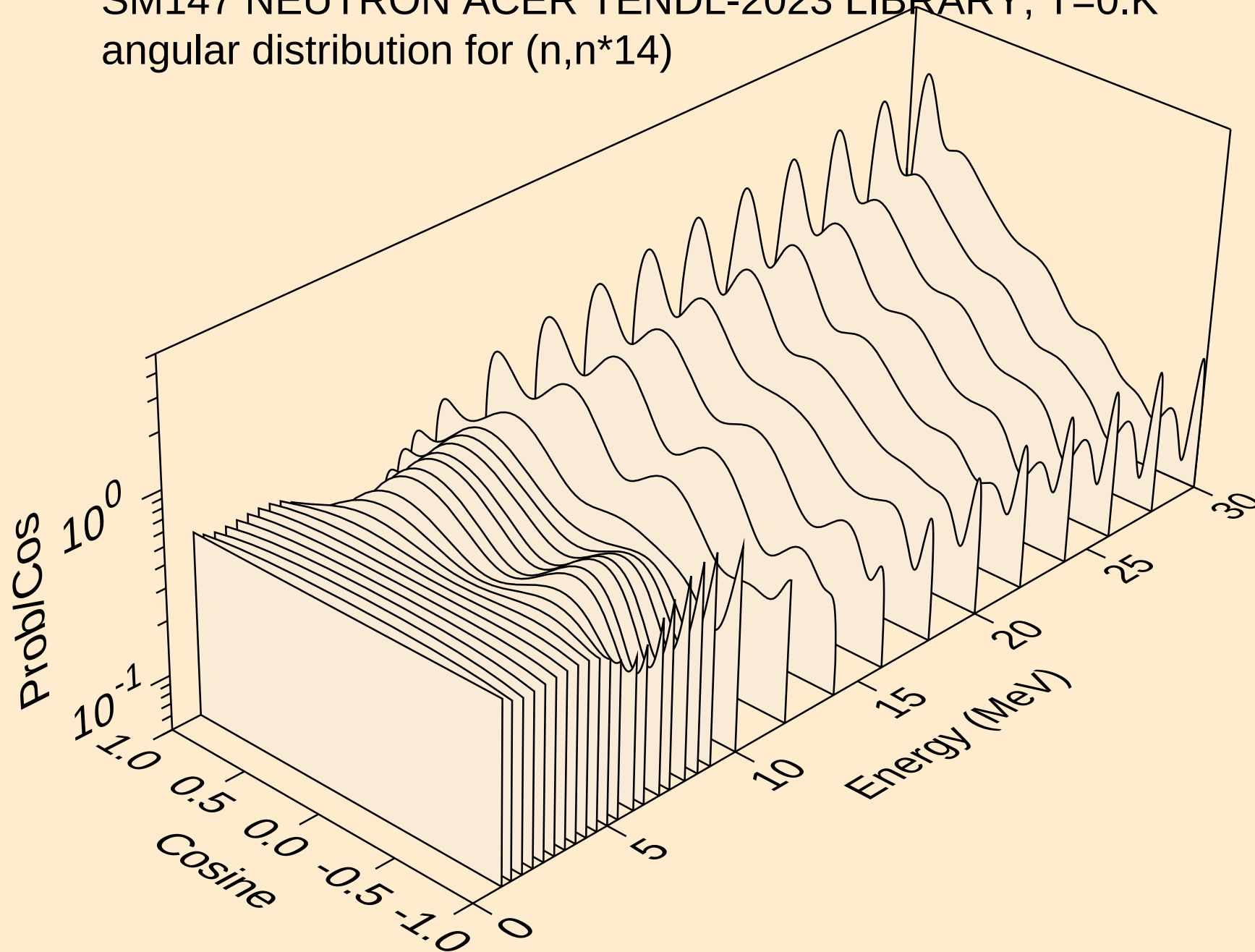
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



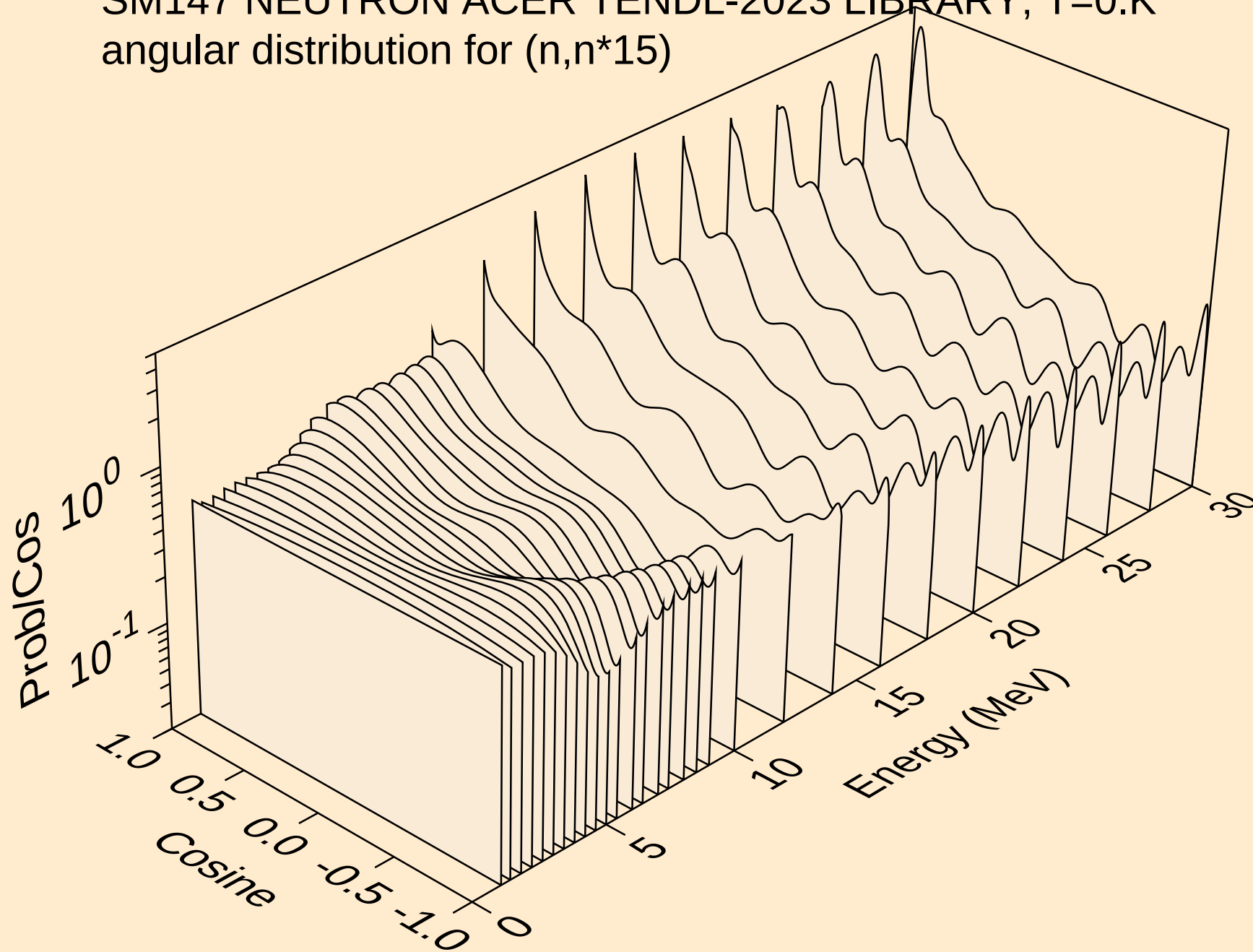
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



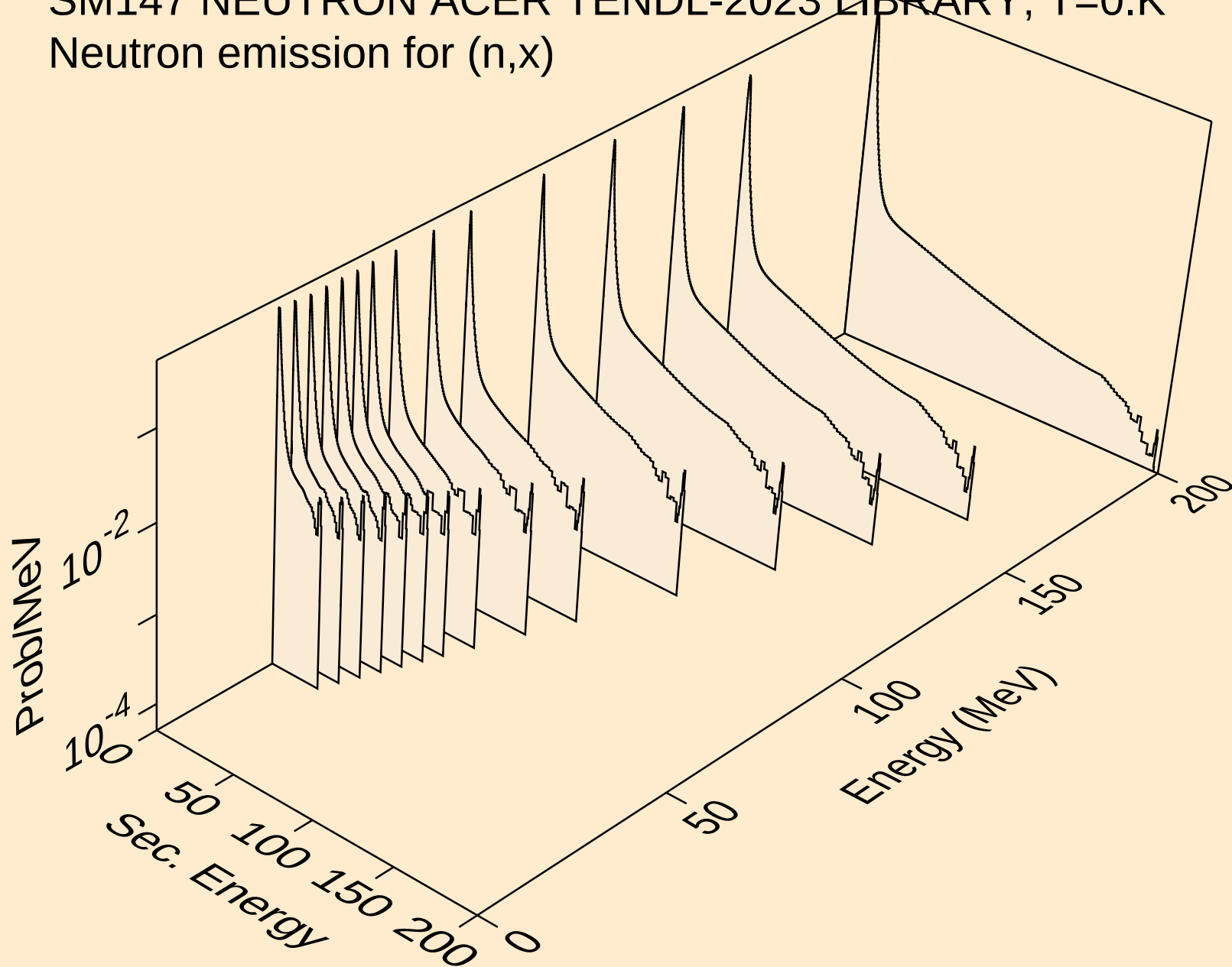
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



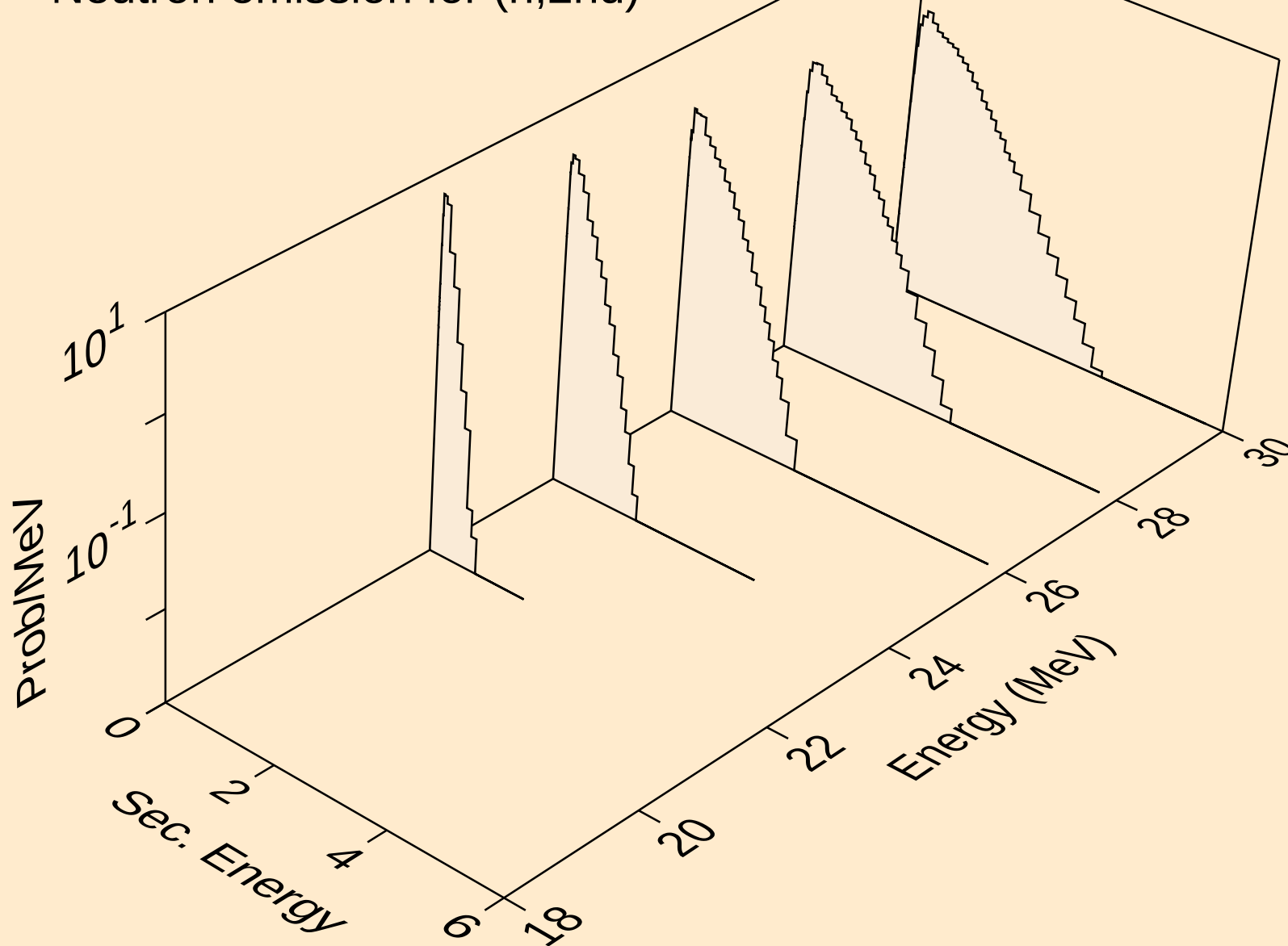
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



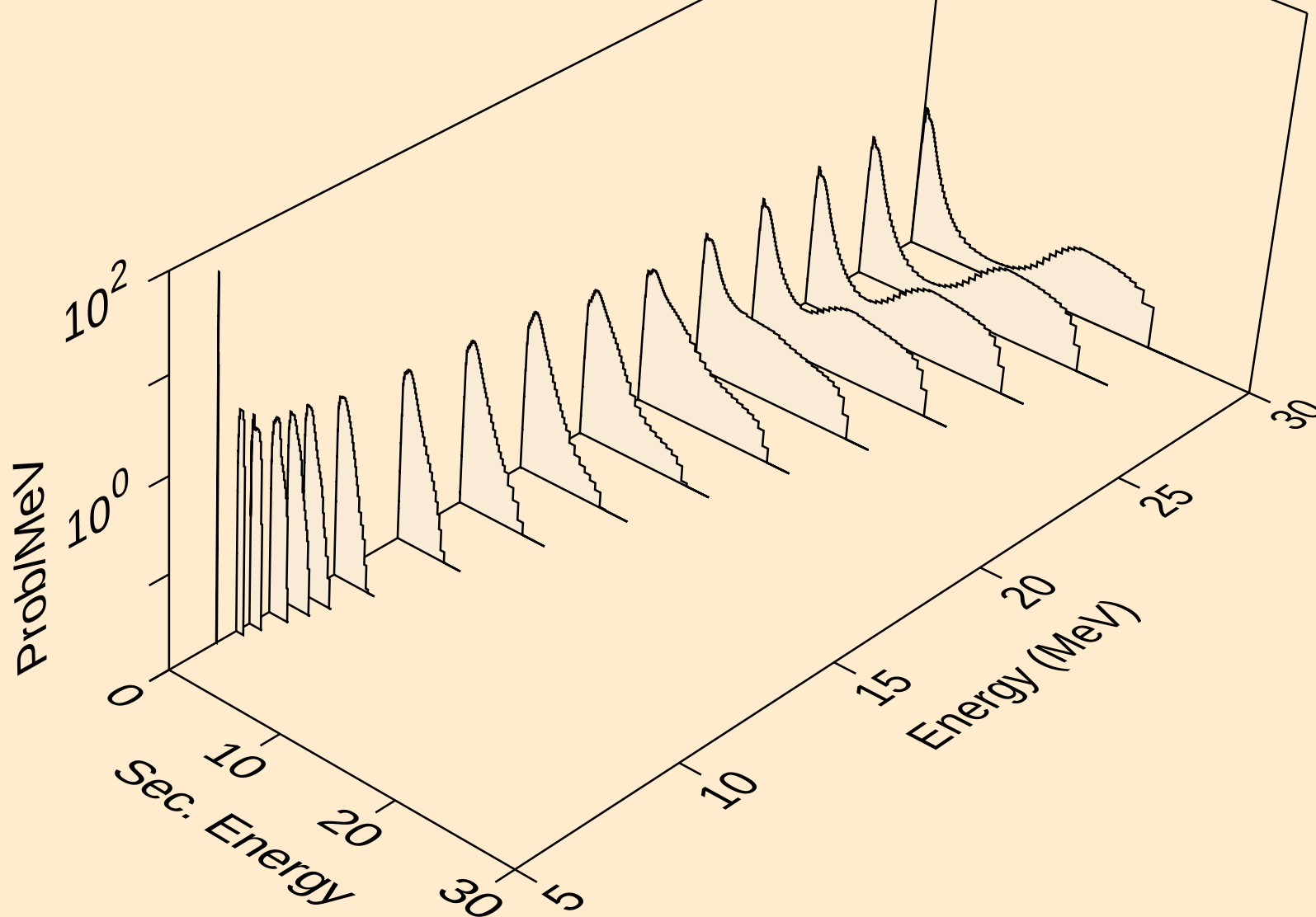
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



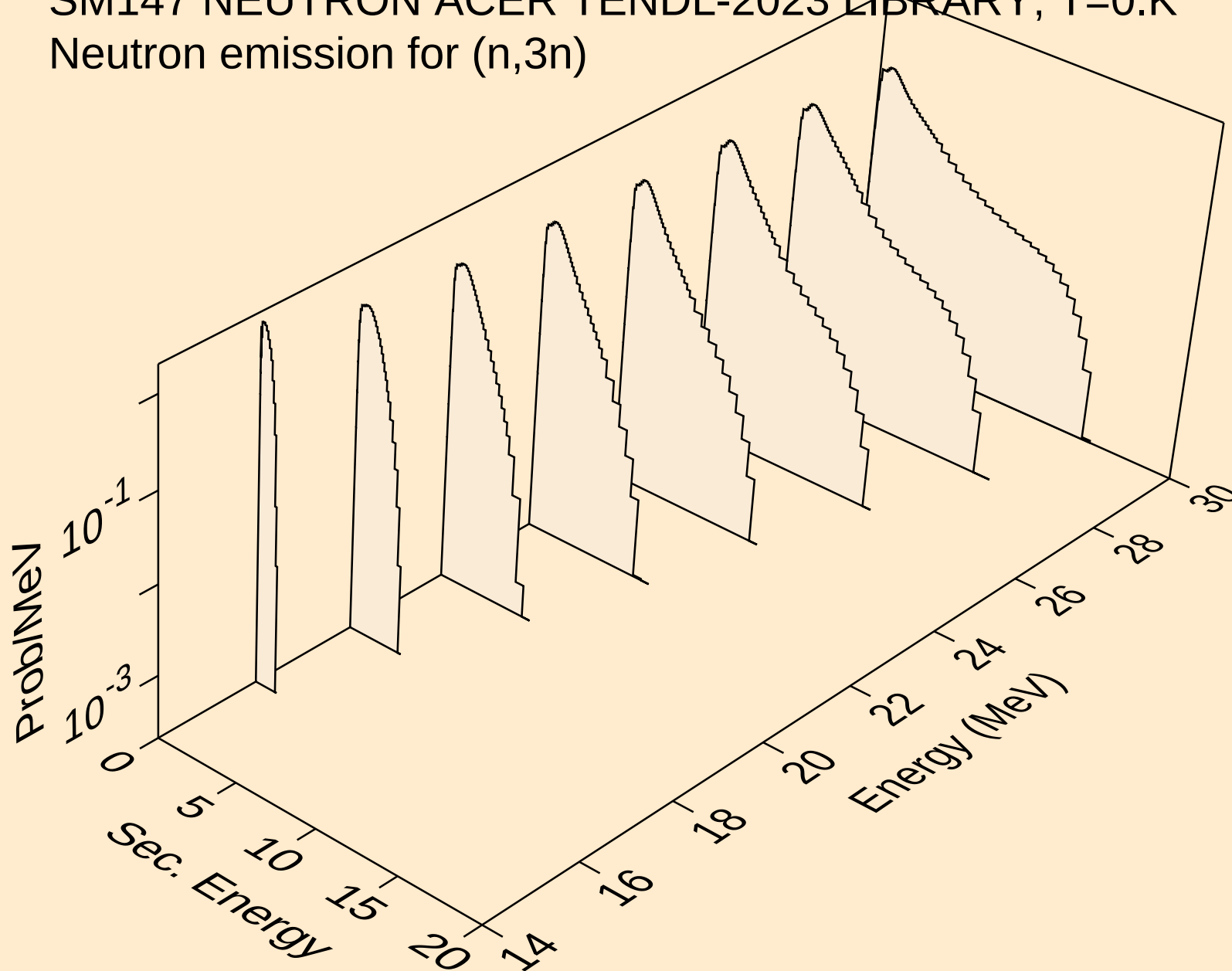
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



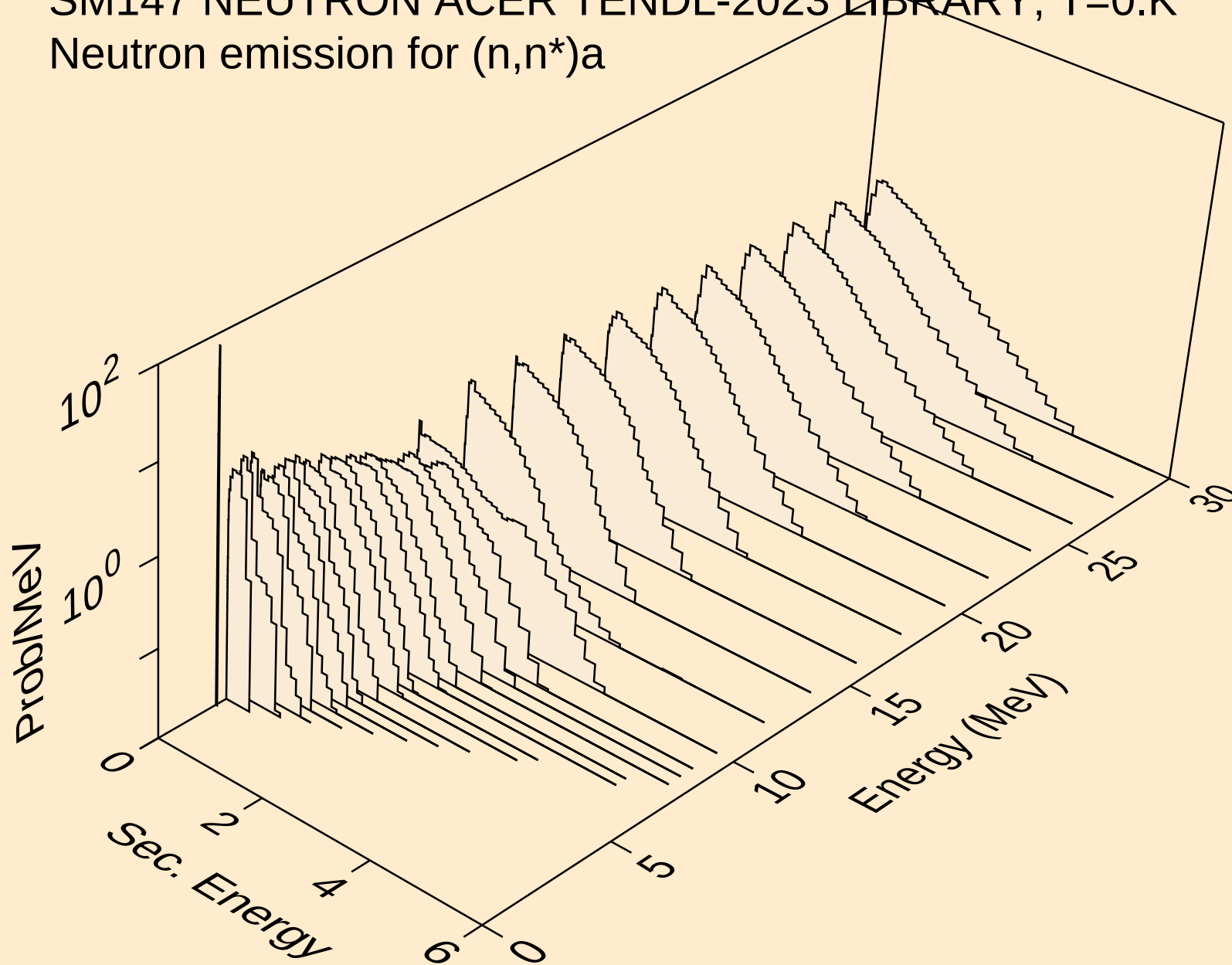
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



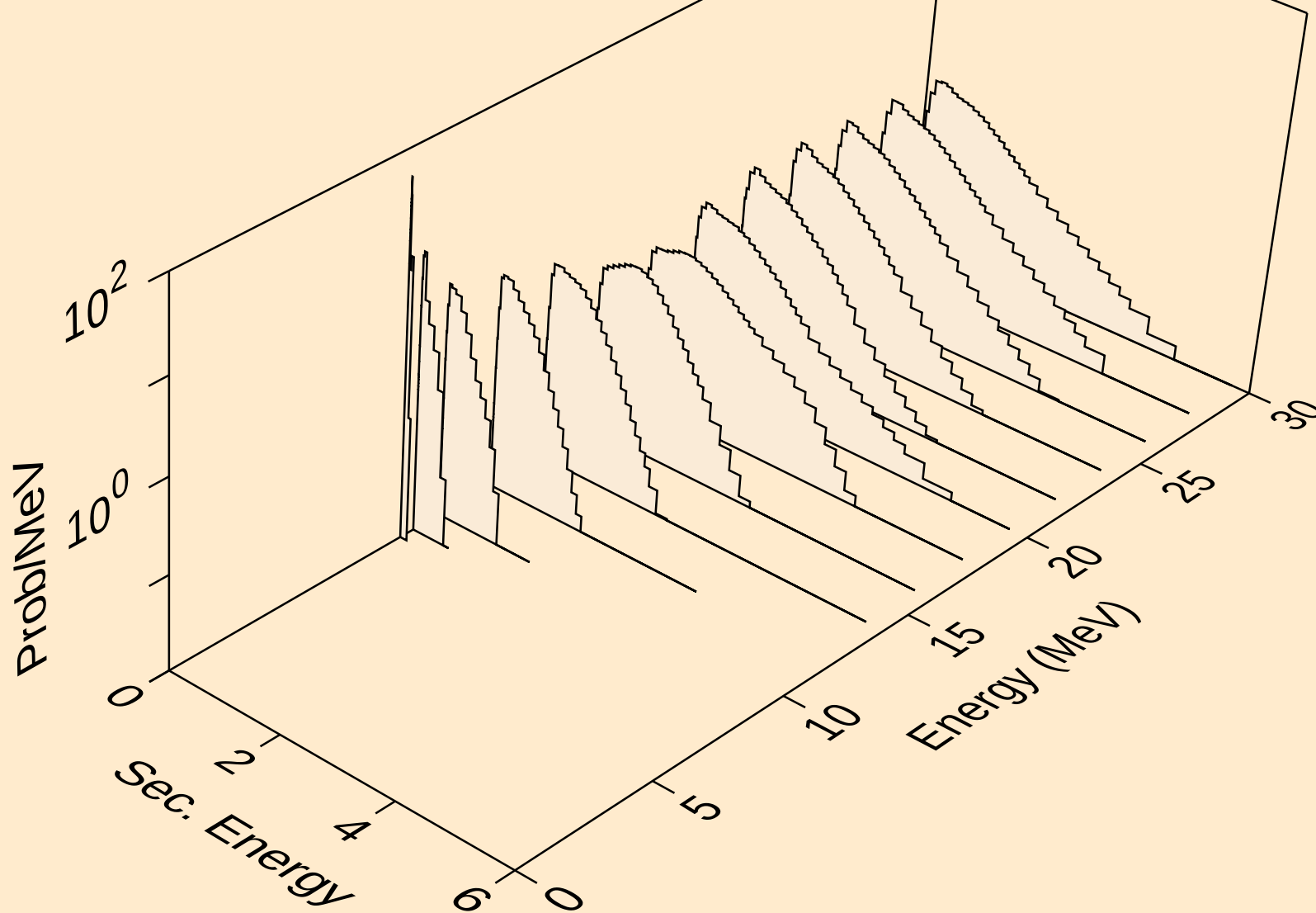
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



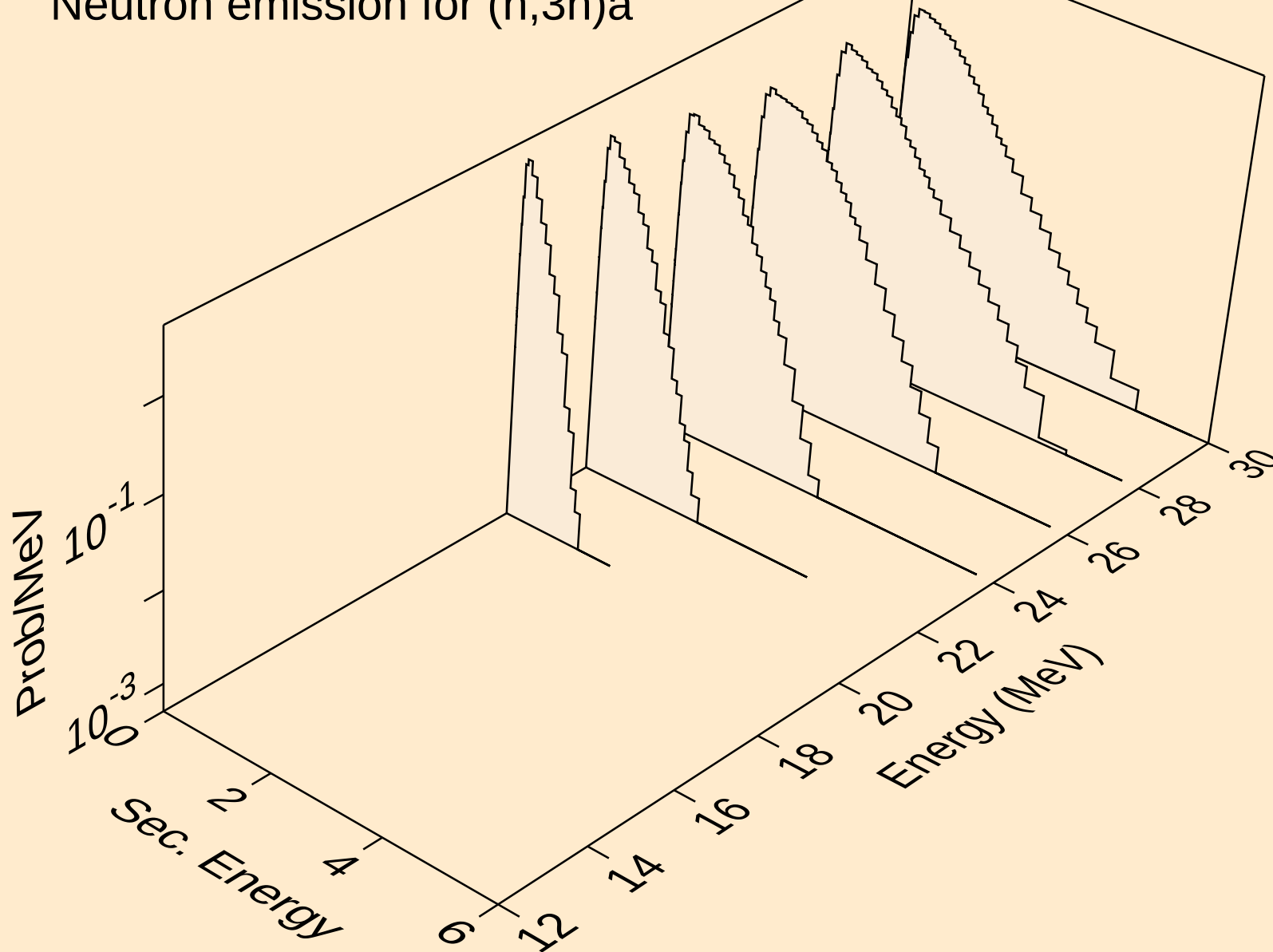
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



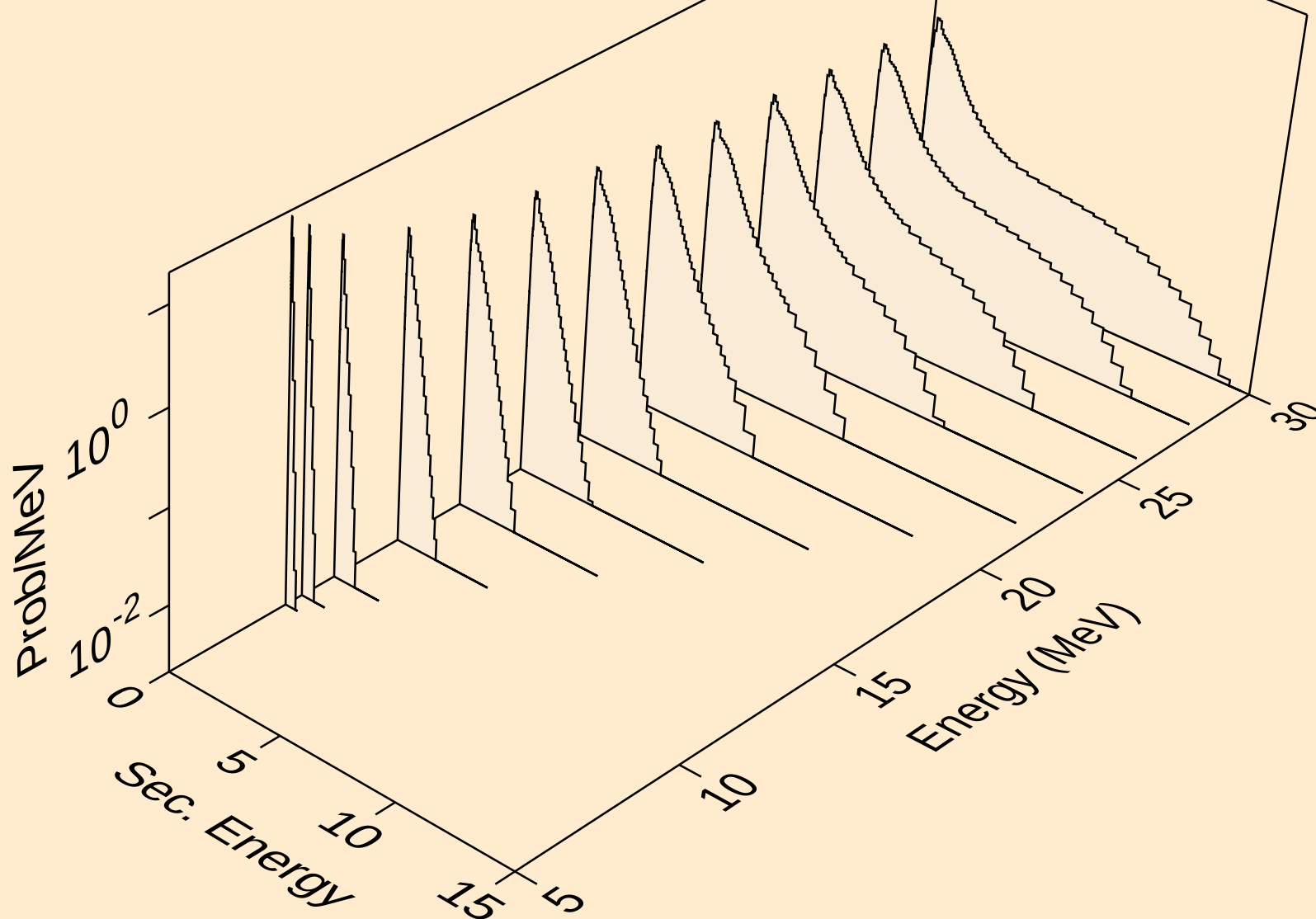
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



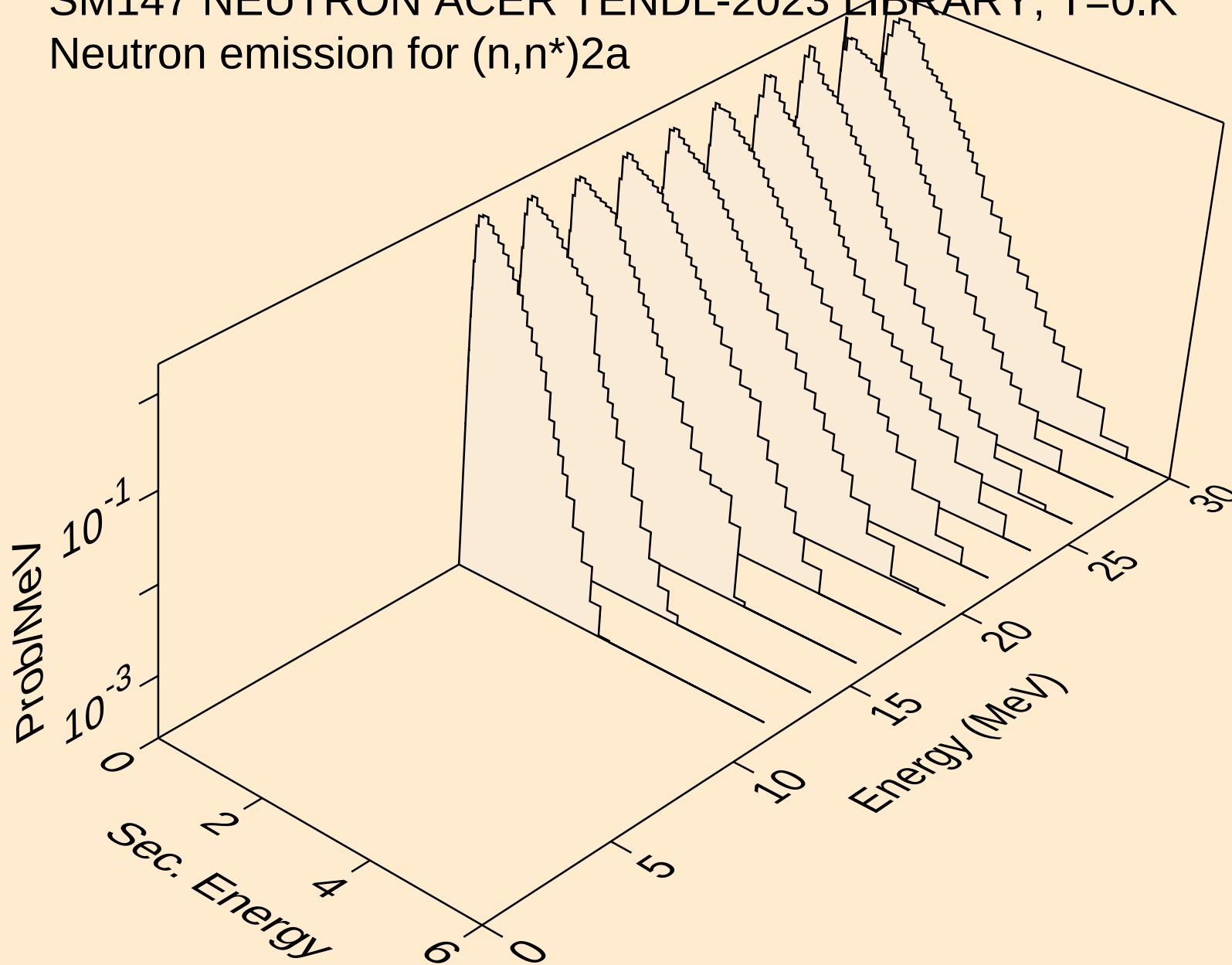
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



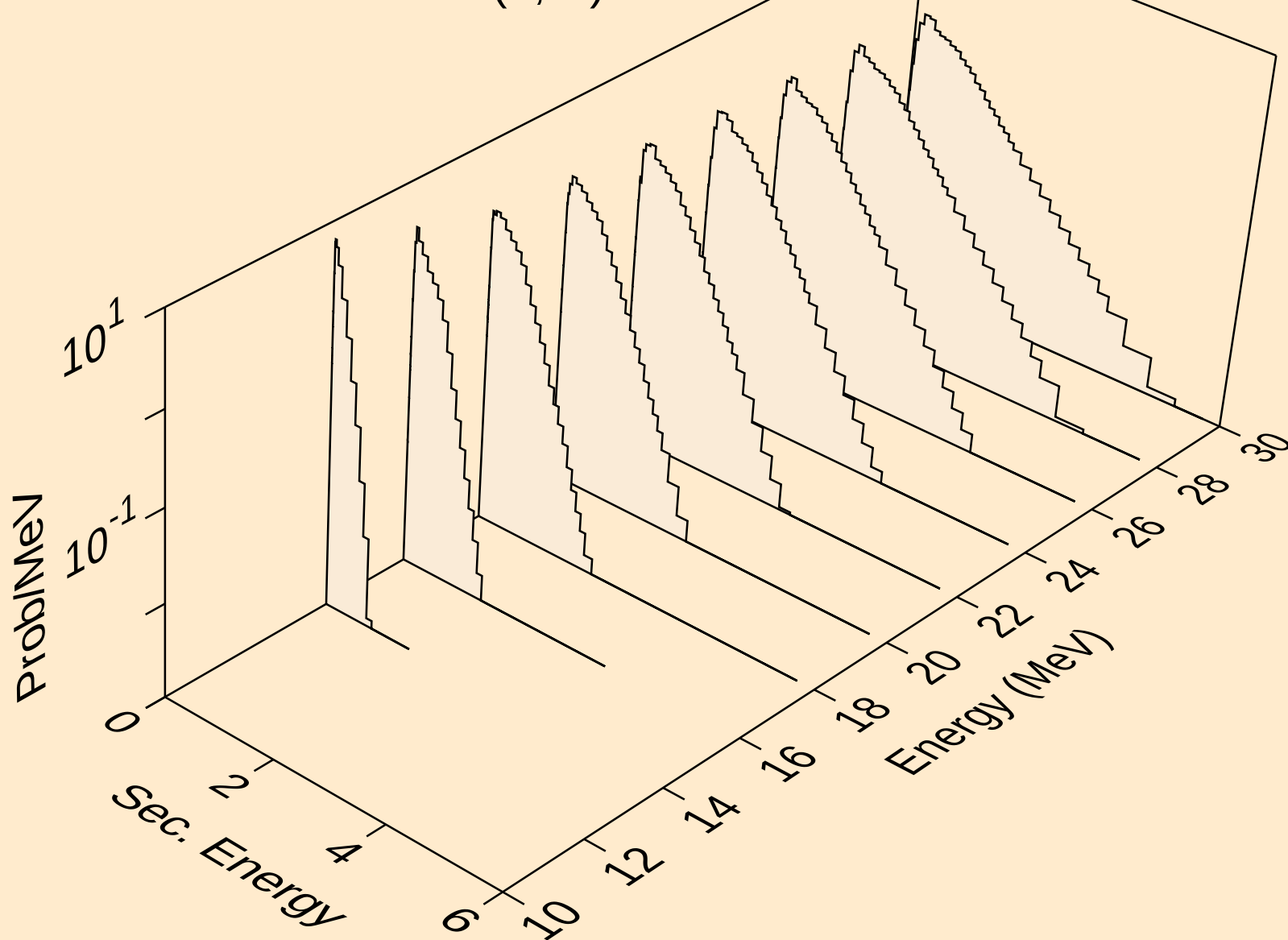
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



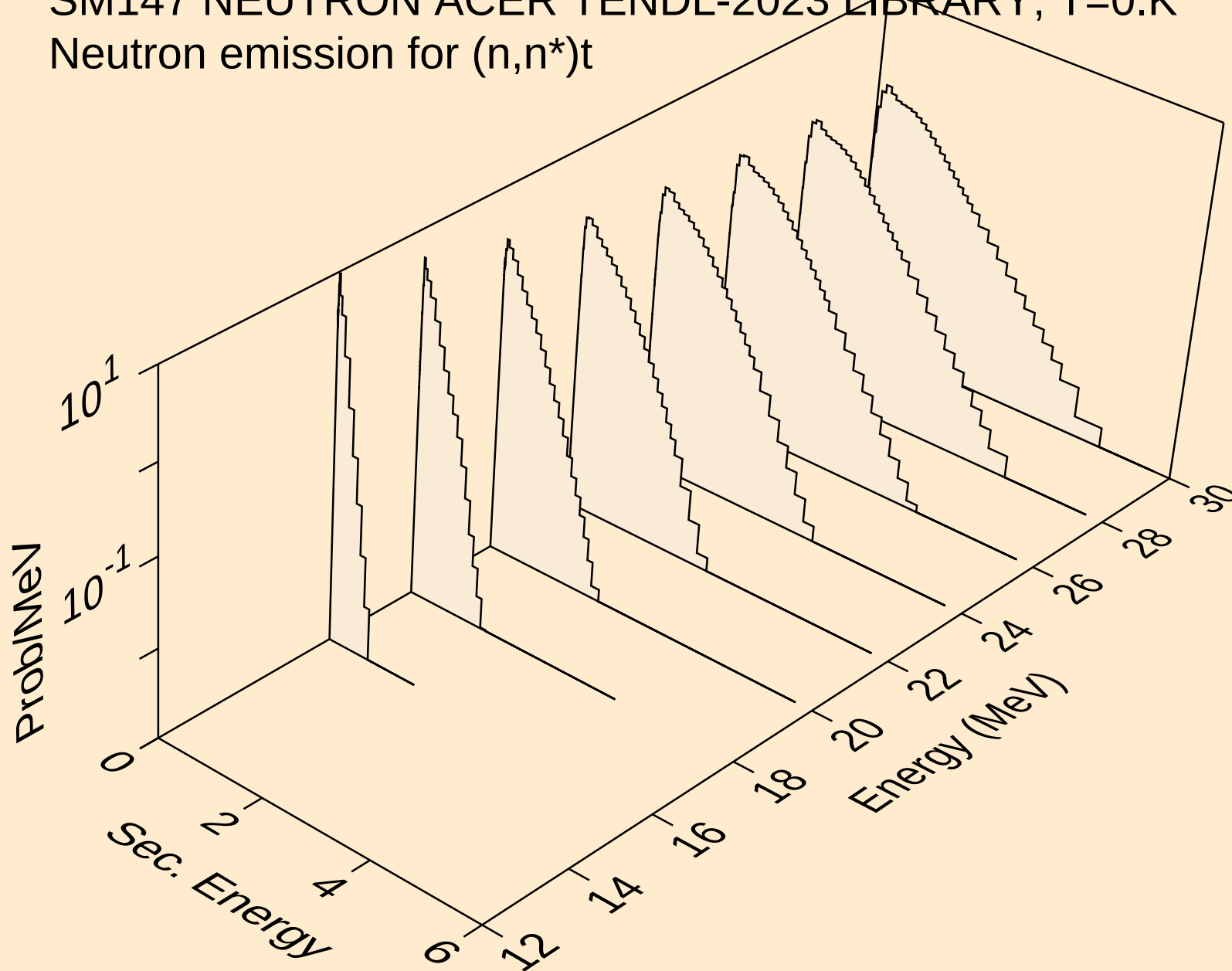
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



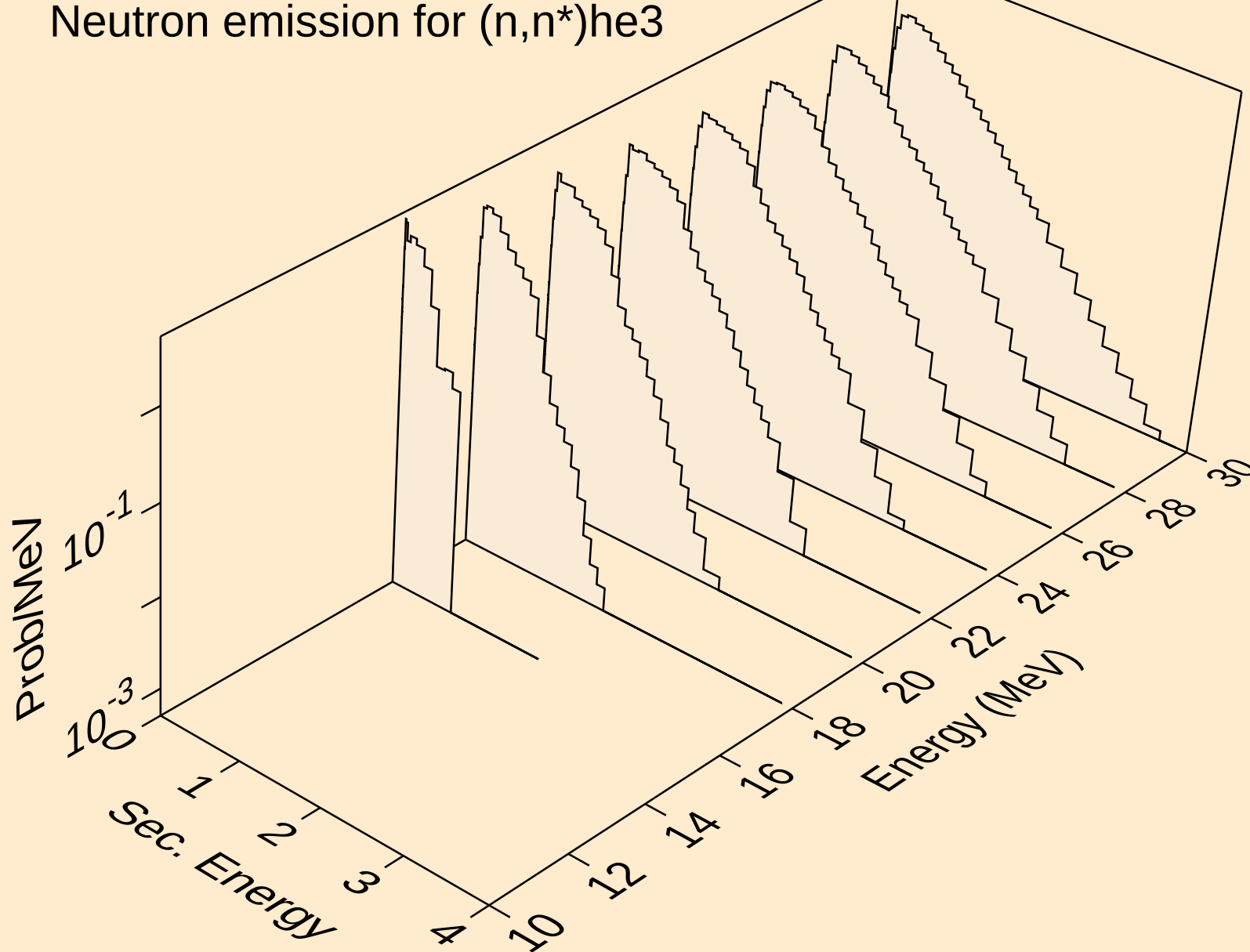
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



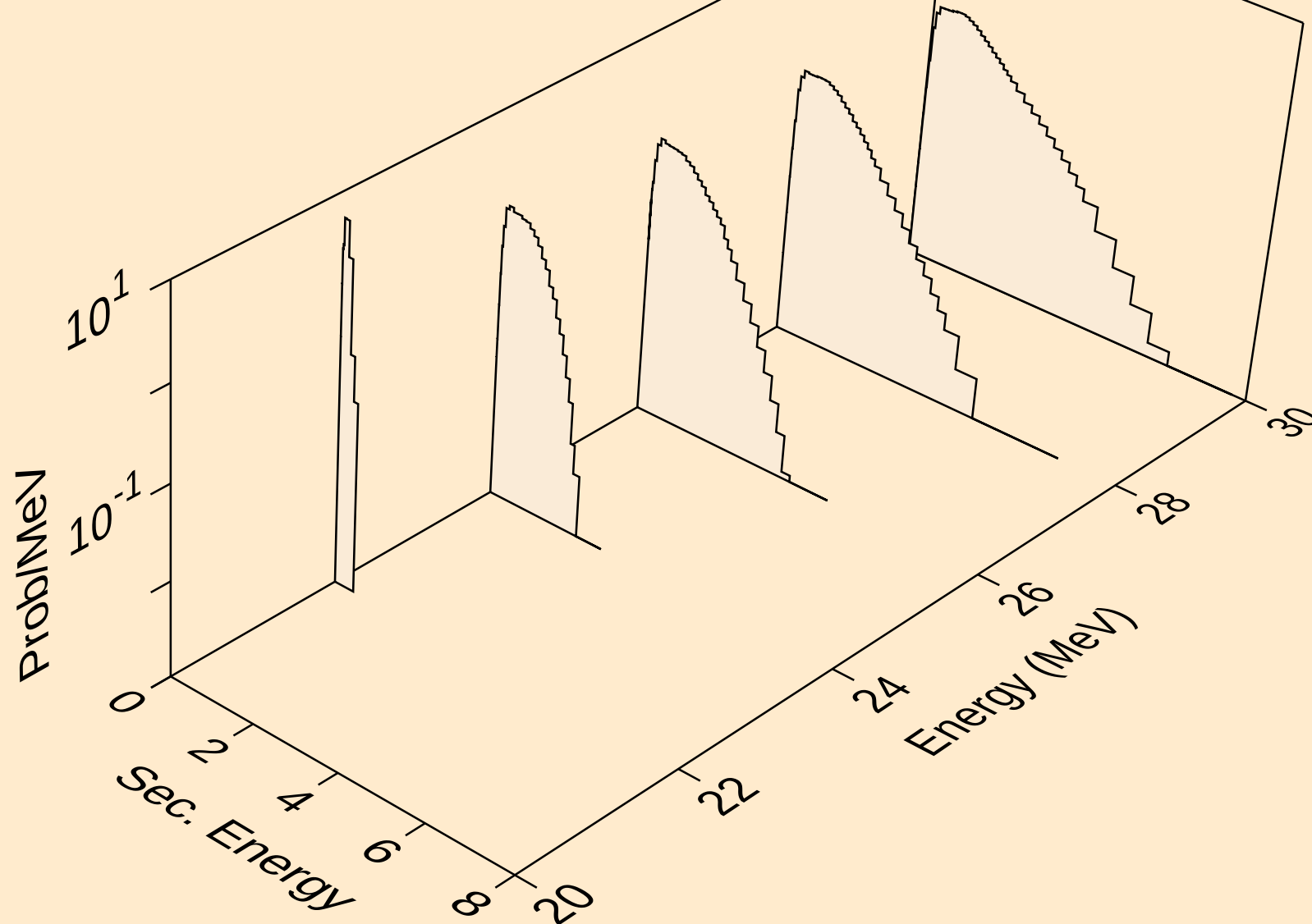
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



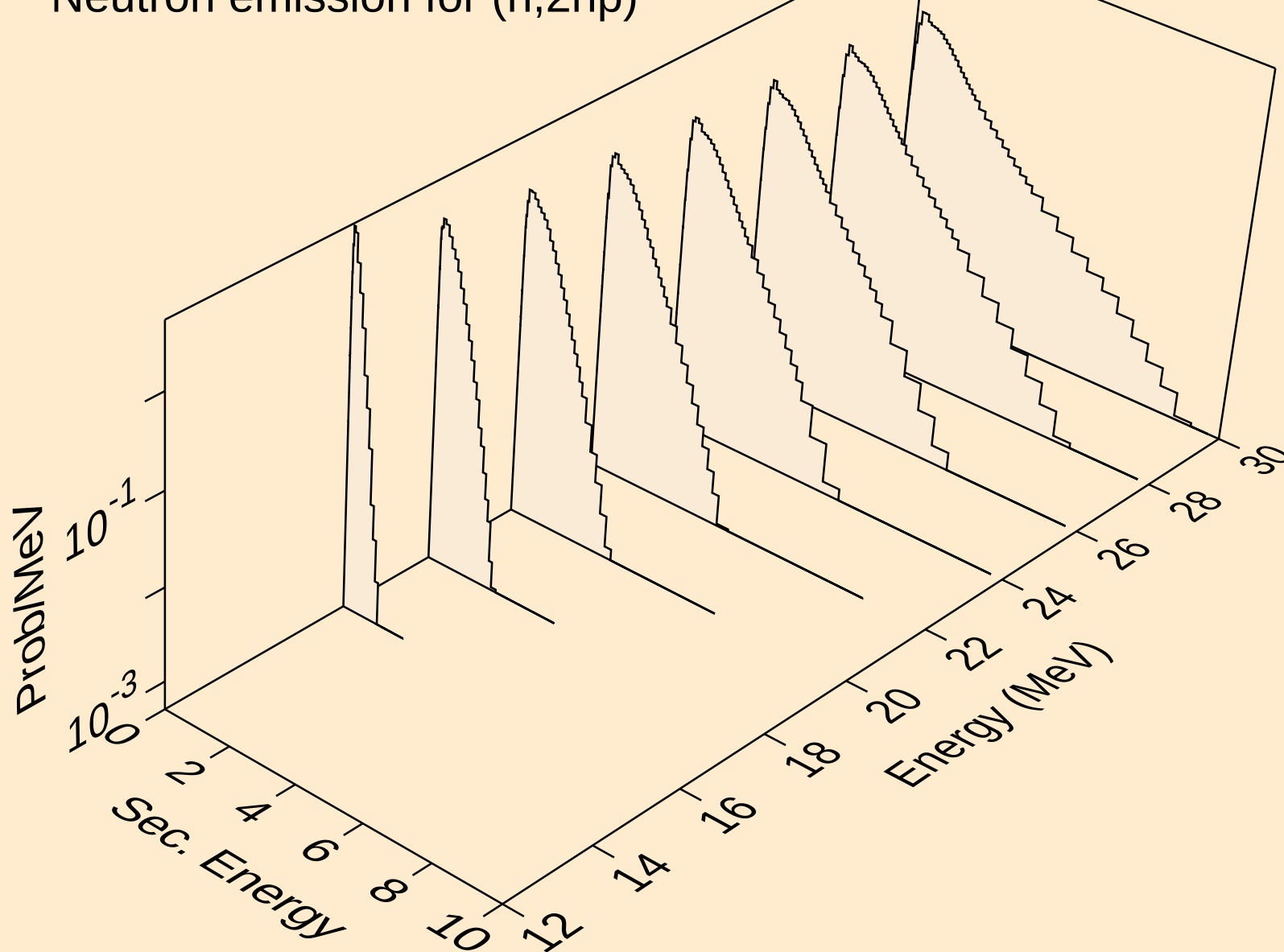
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



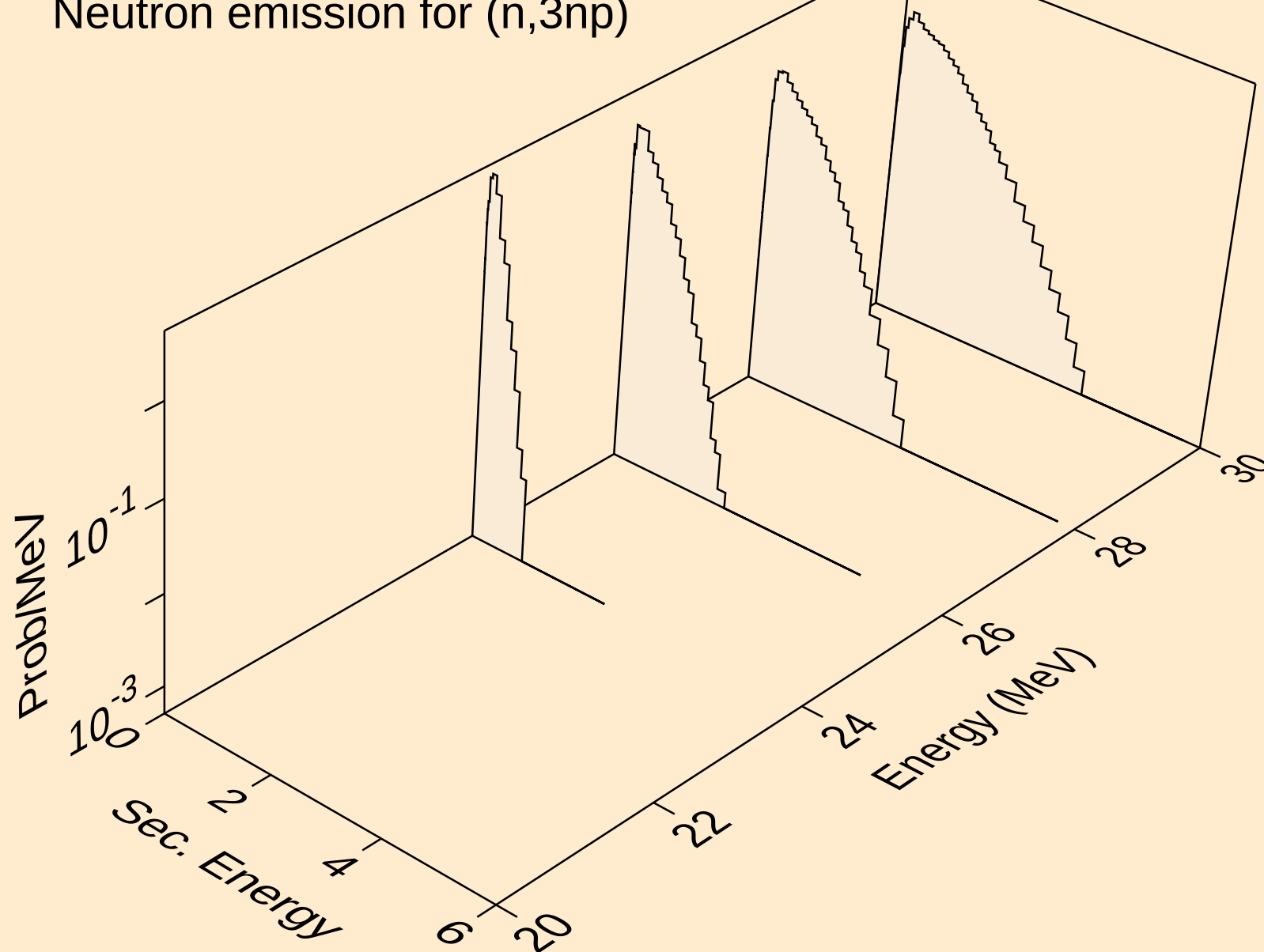
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



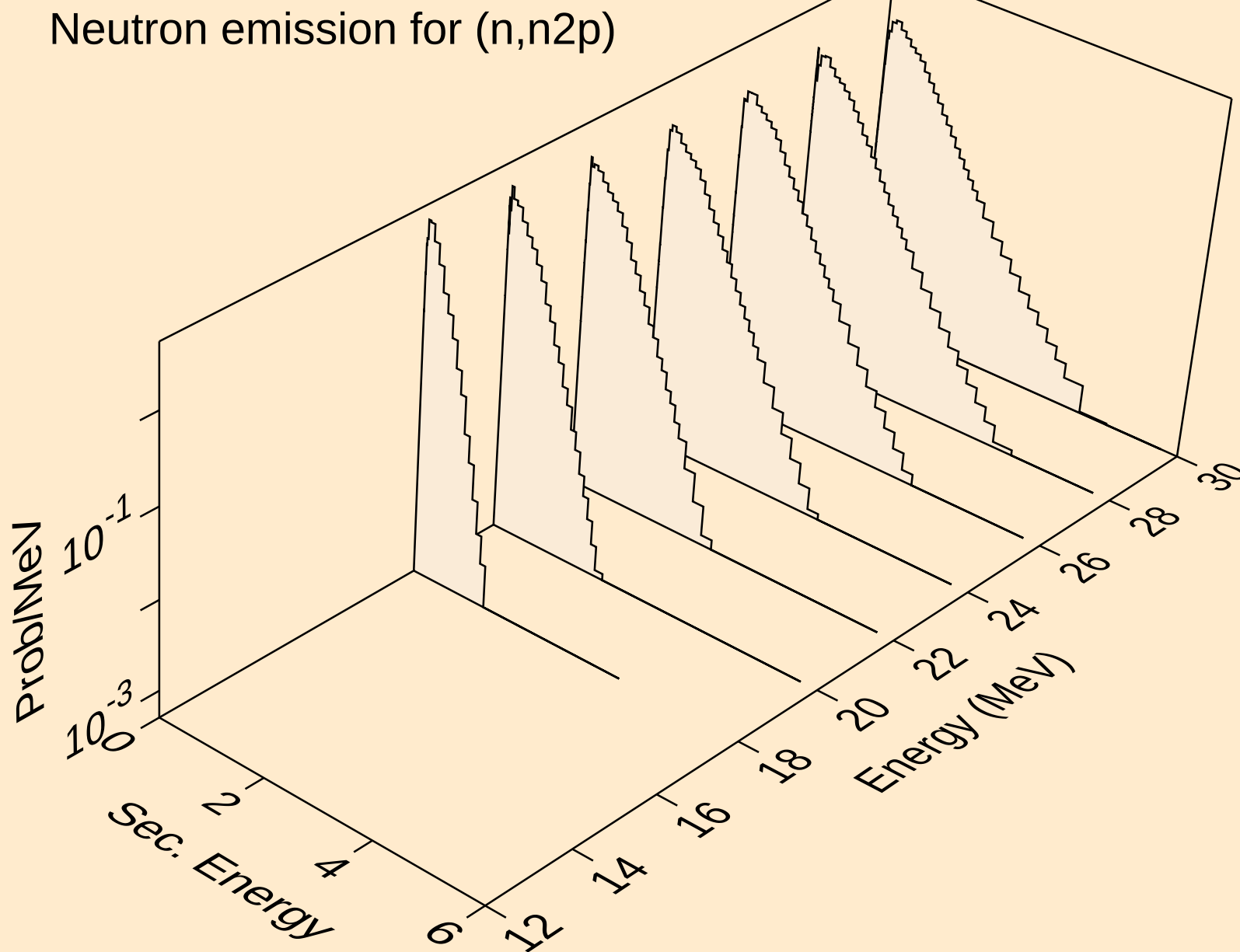
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



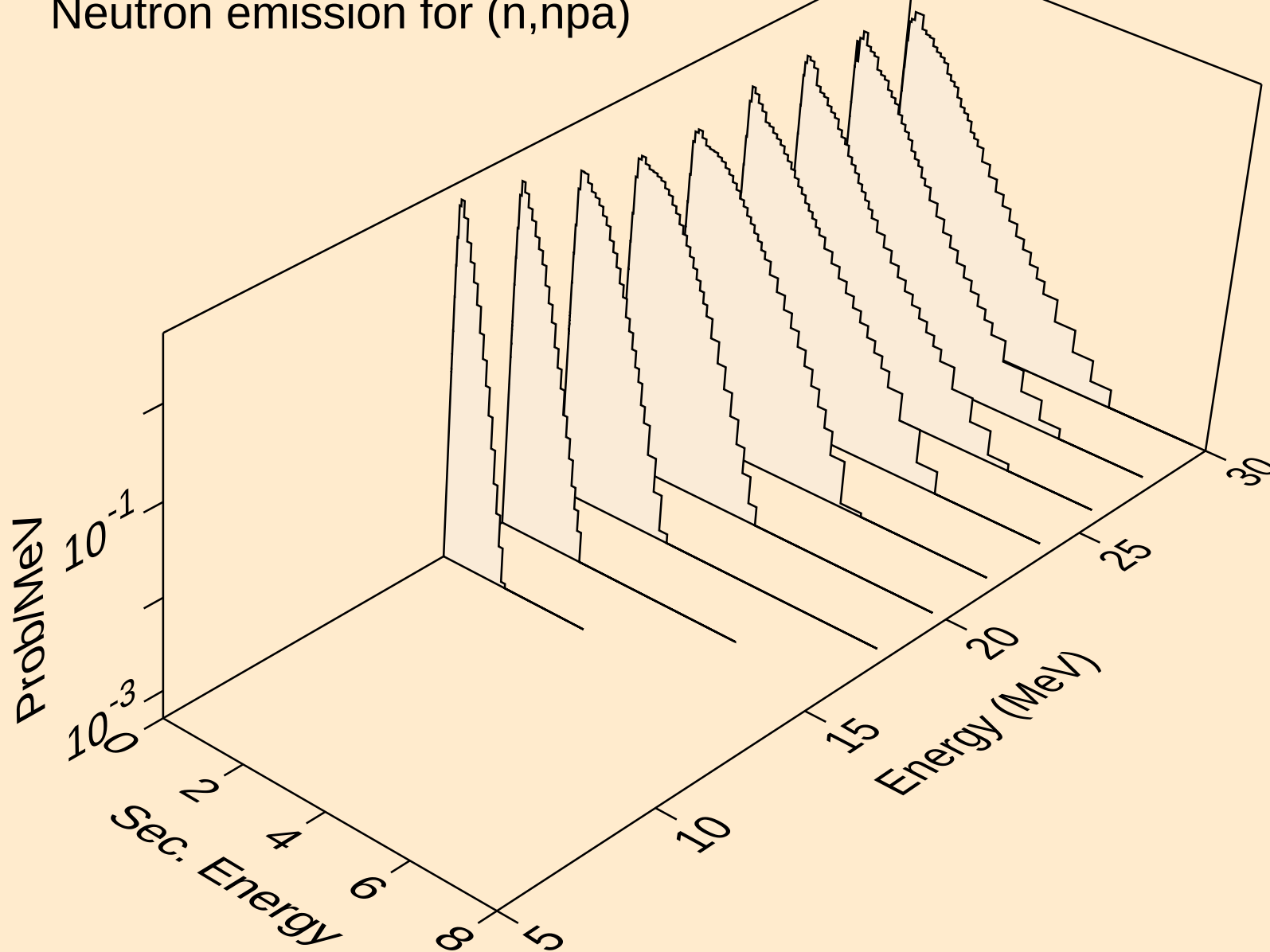
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



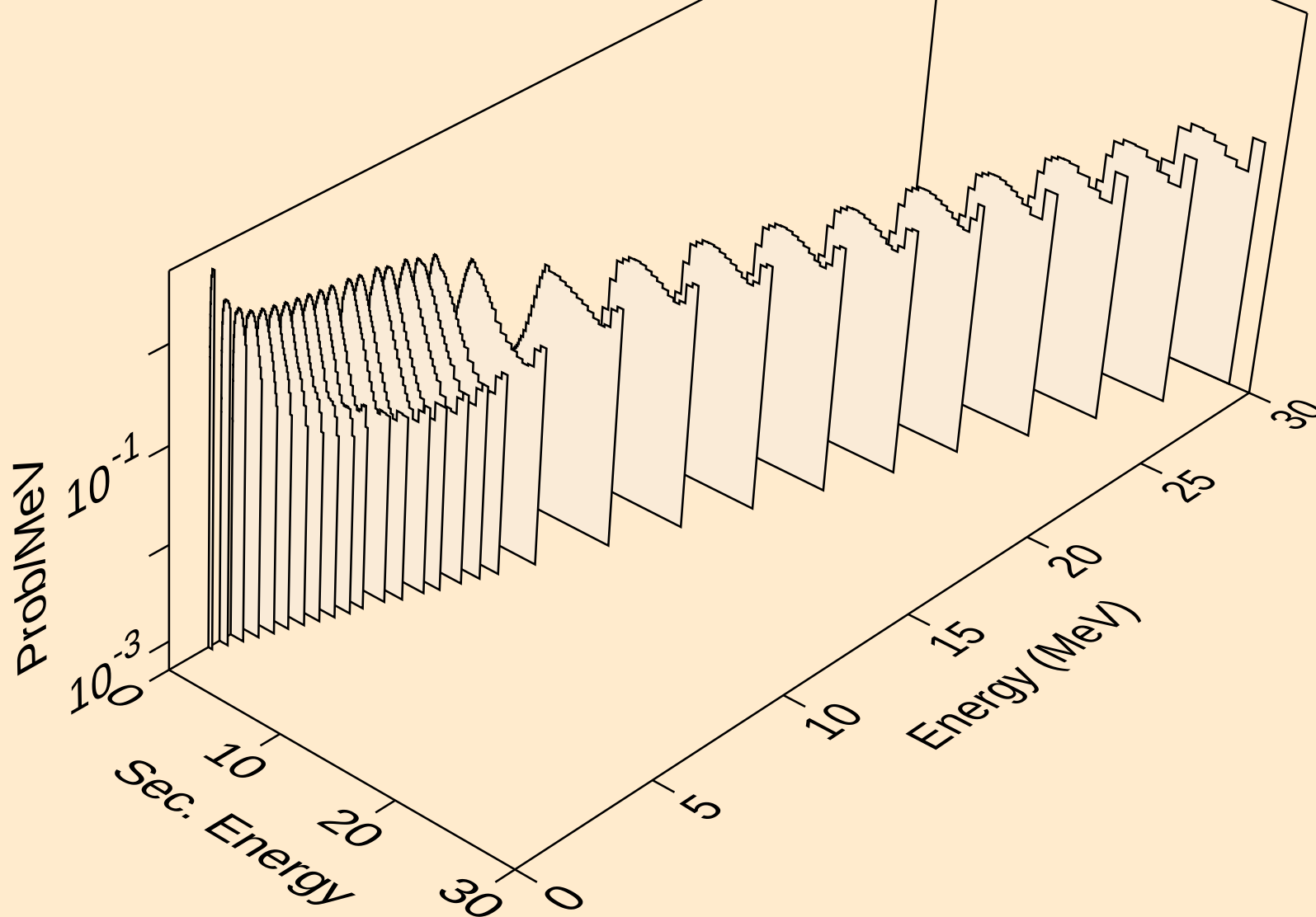
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



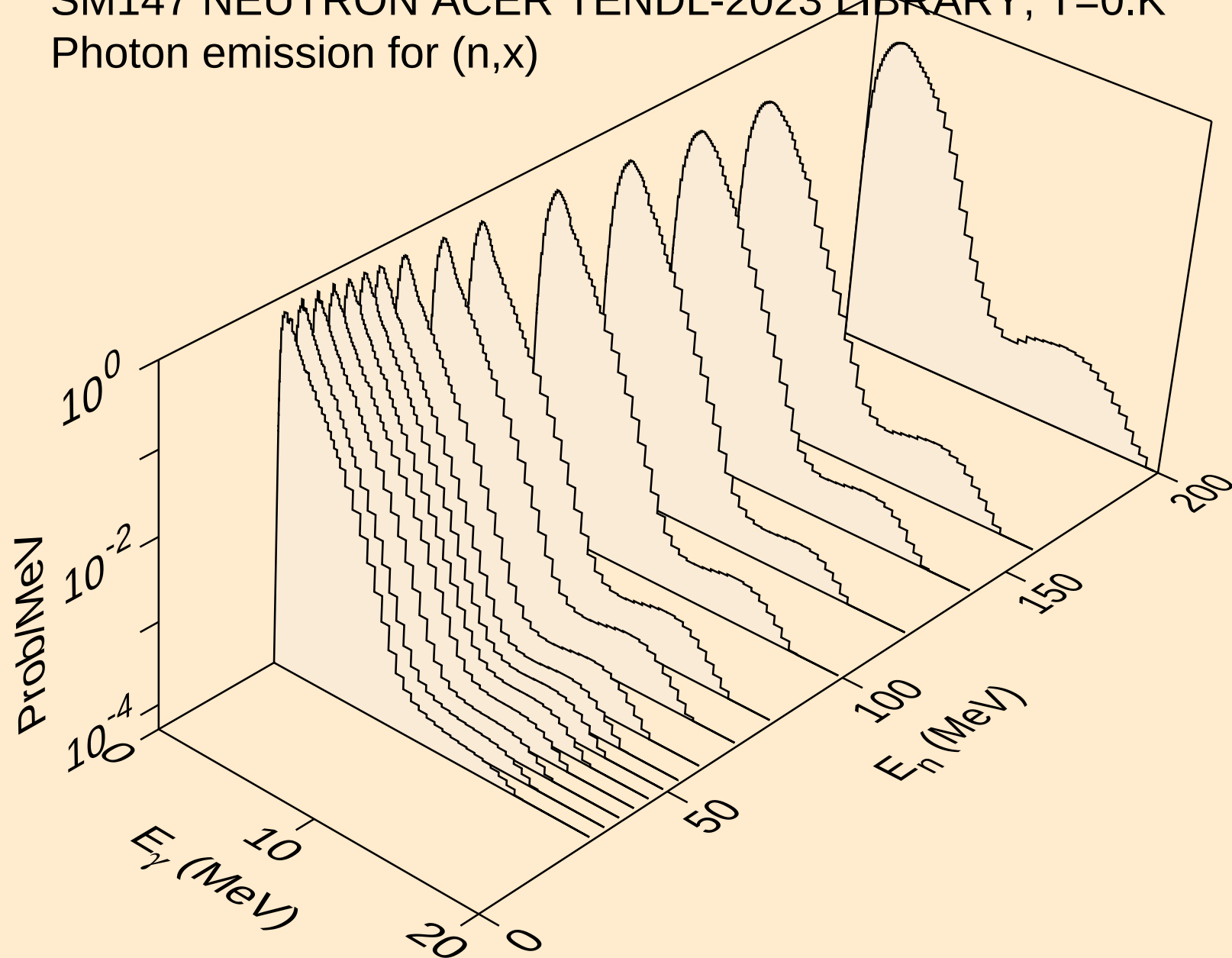
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



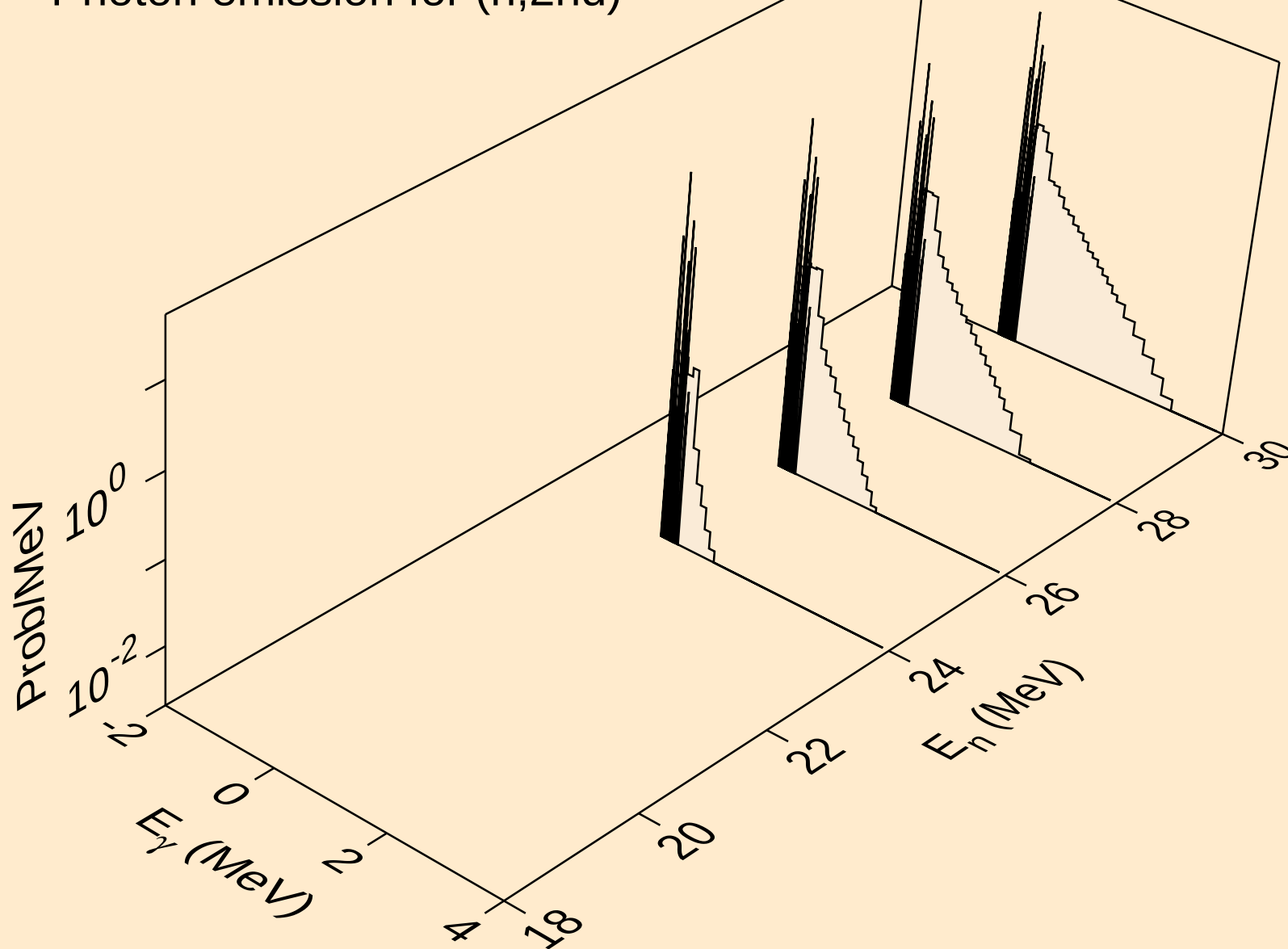
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



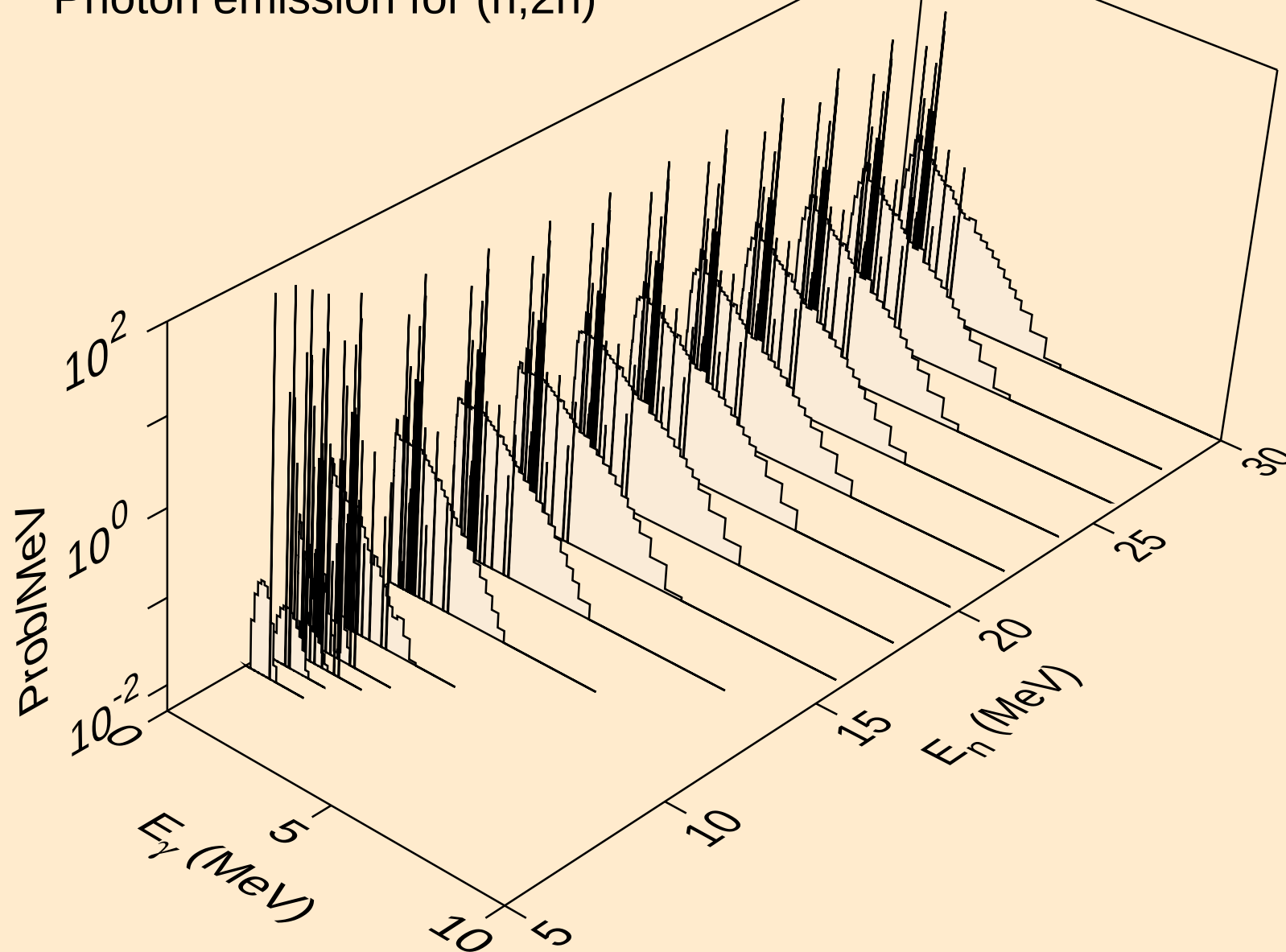
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



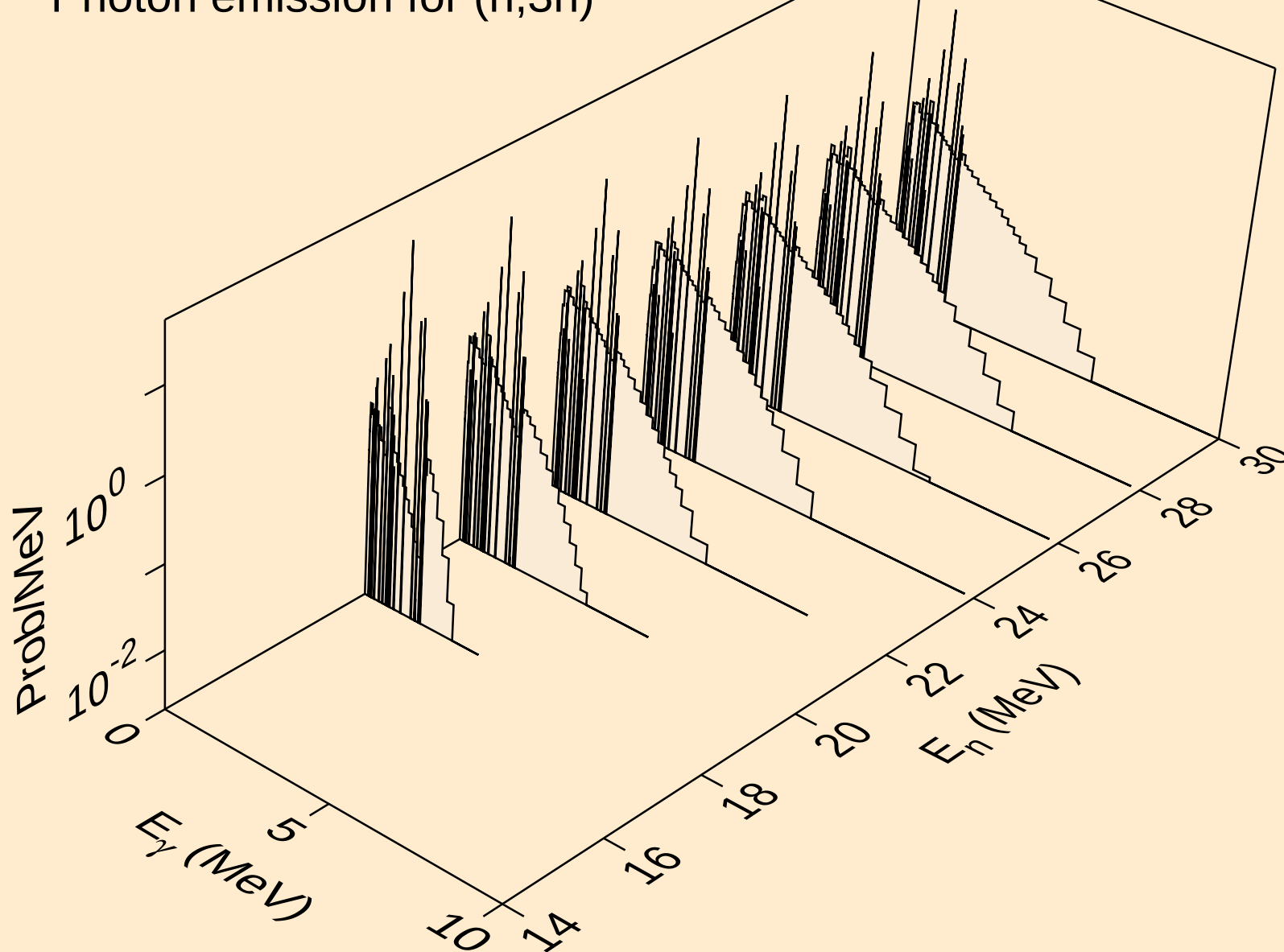
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



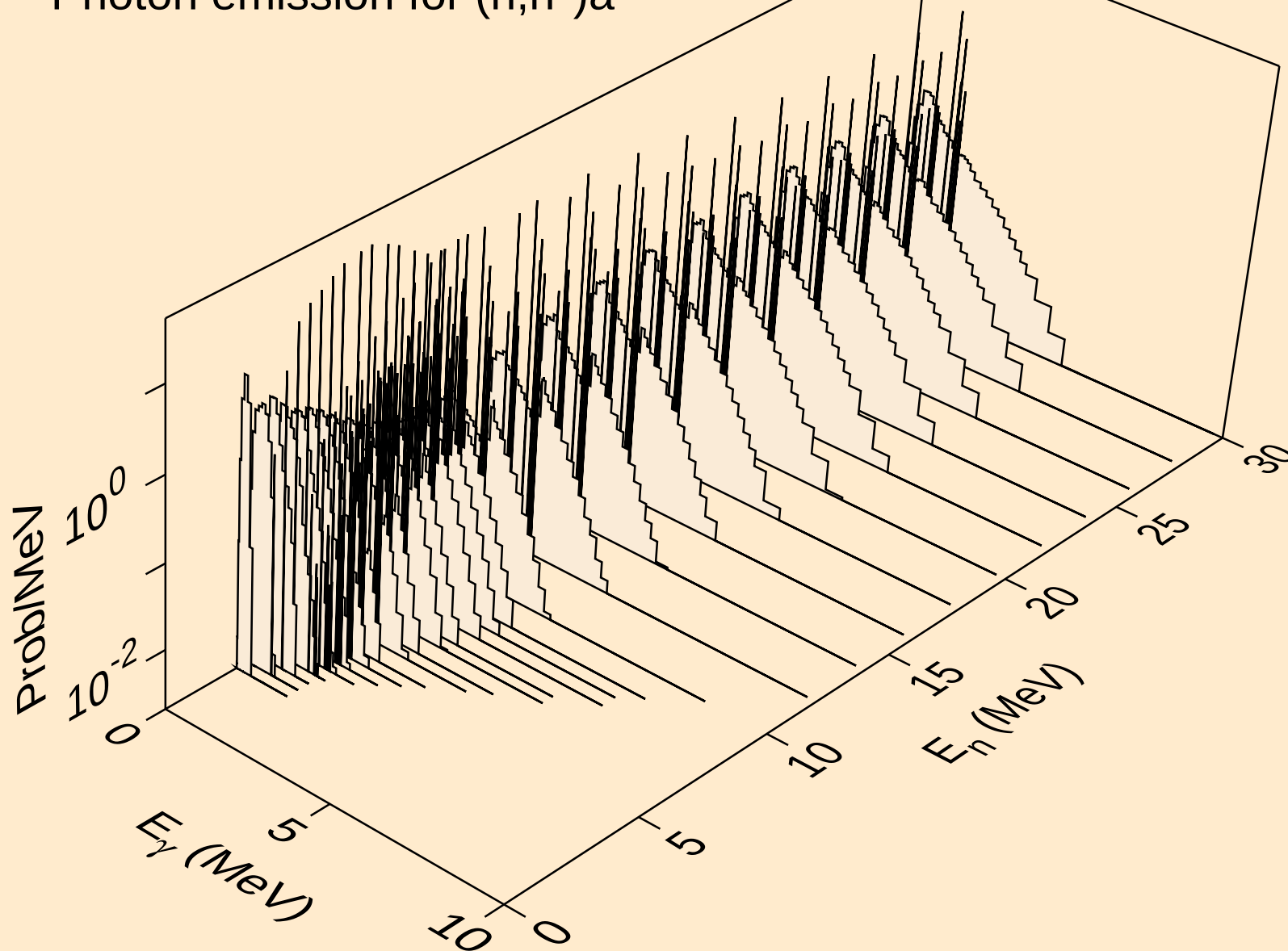
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2n)



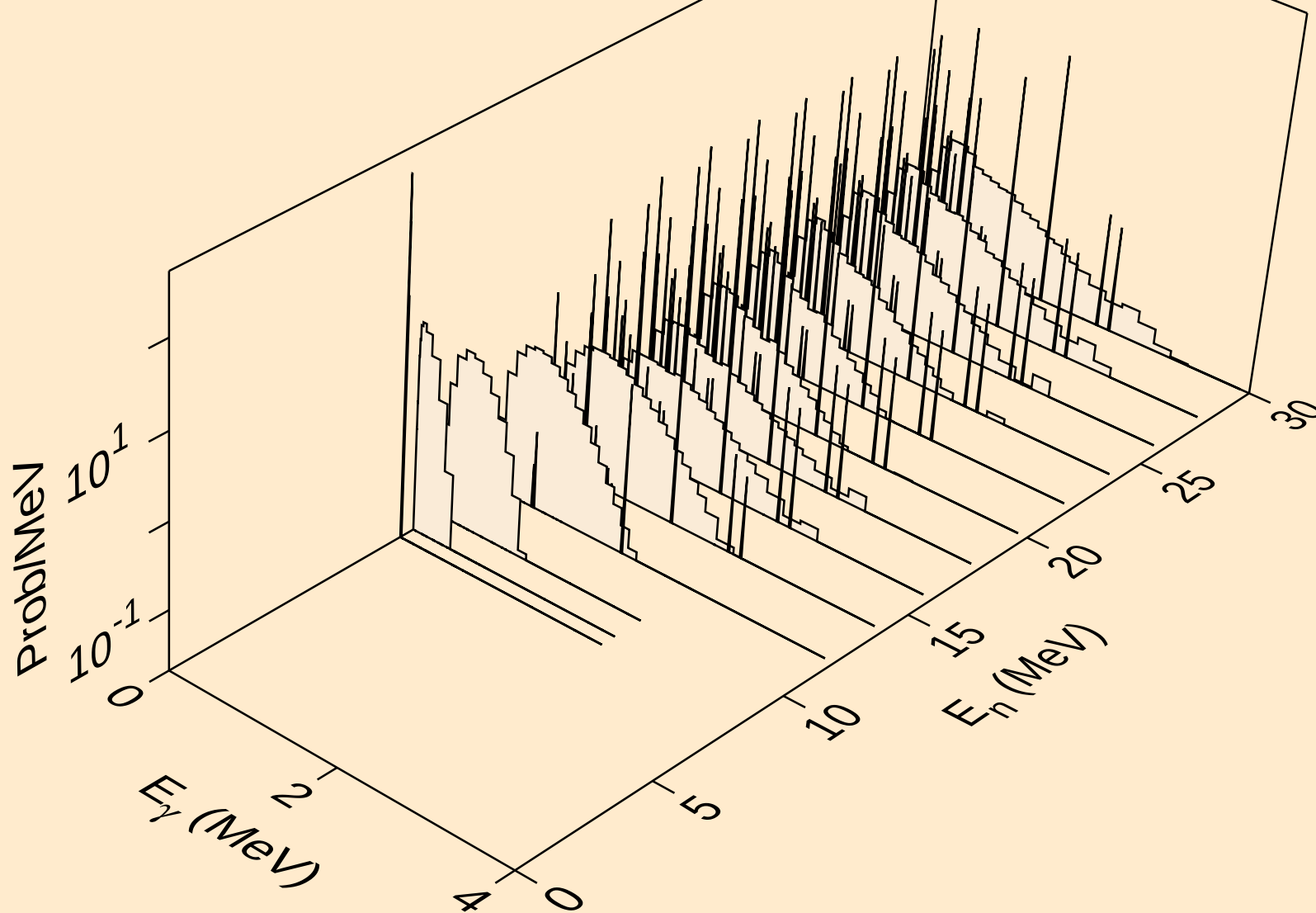
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



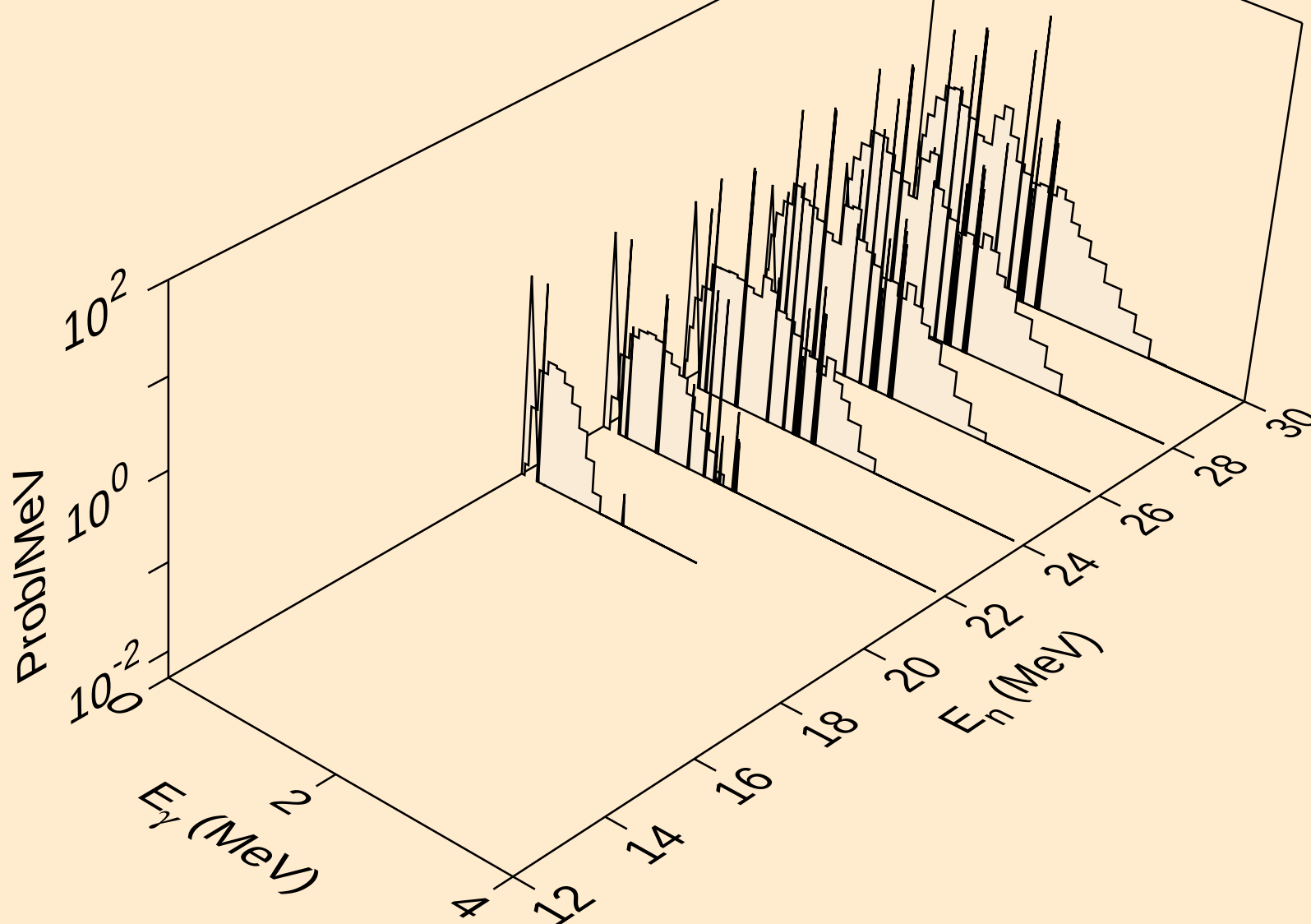
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)a$



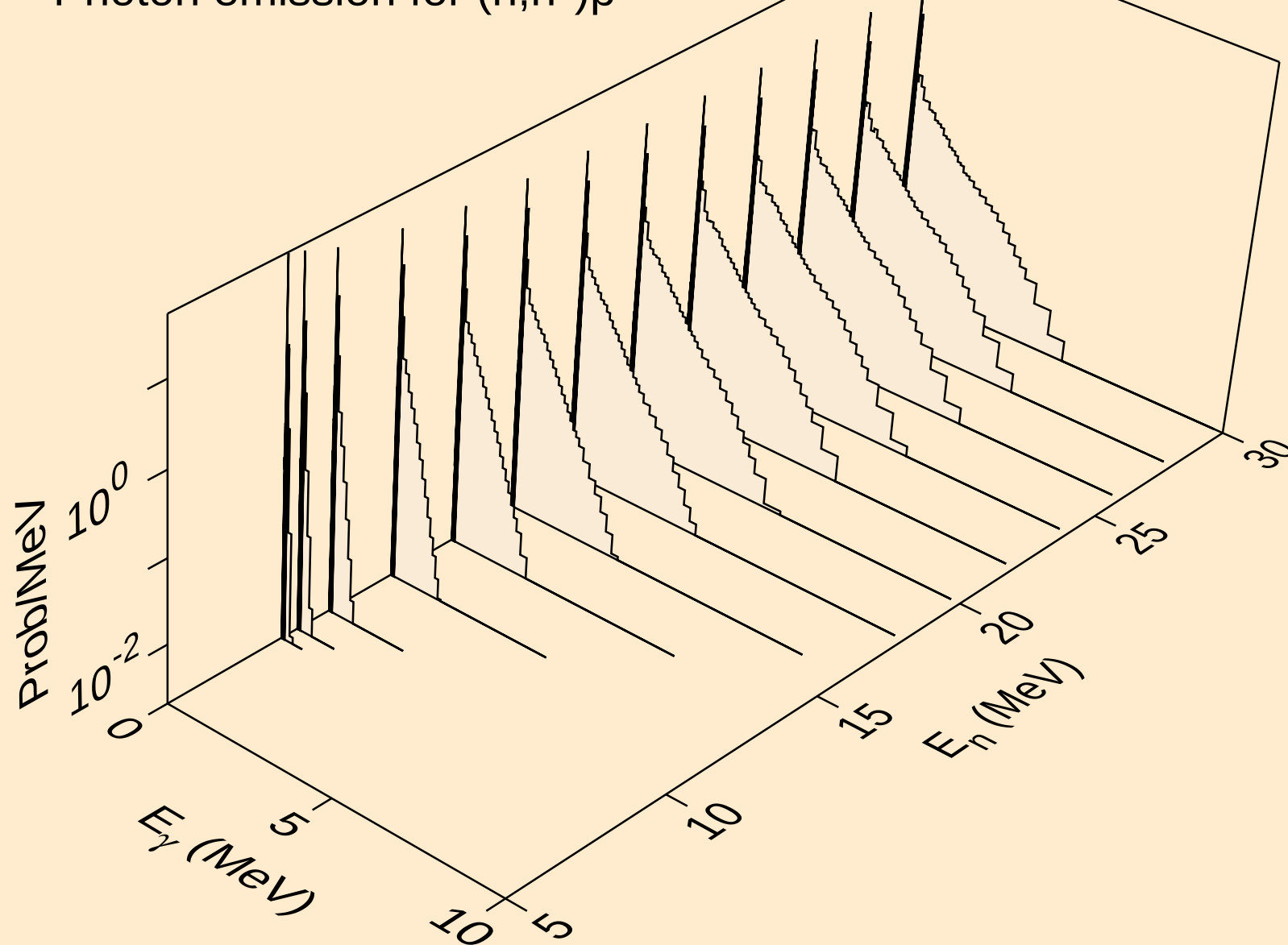
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2n) $\alpha$



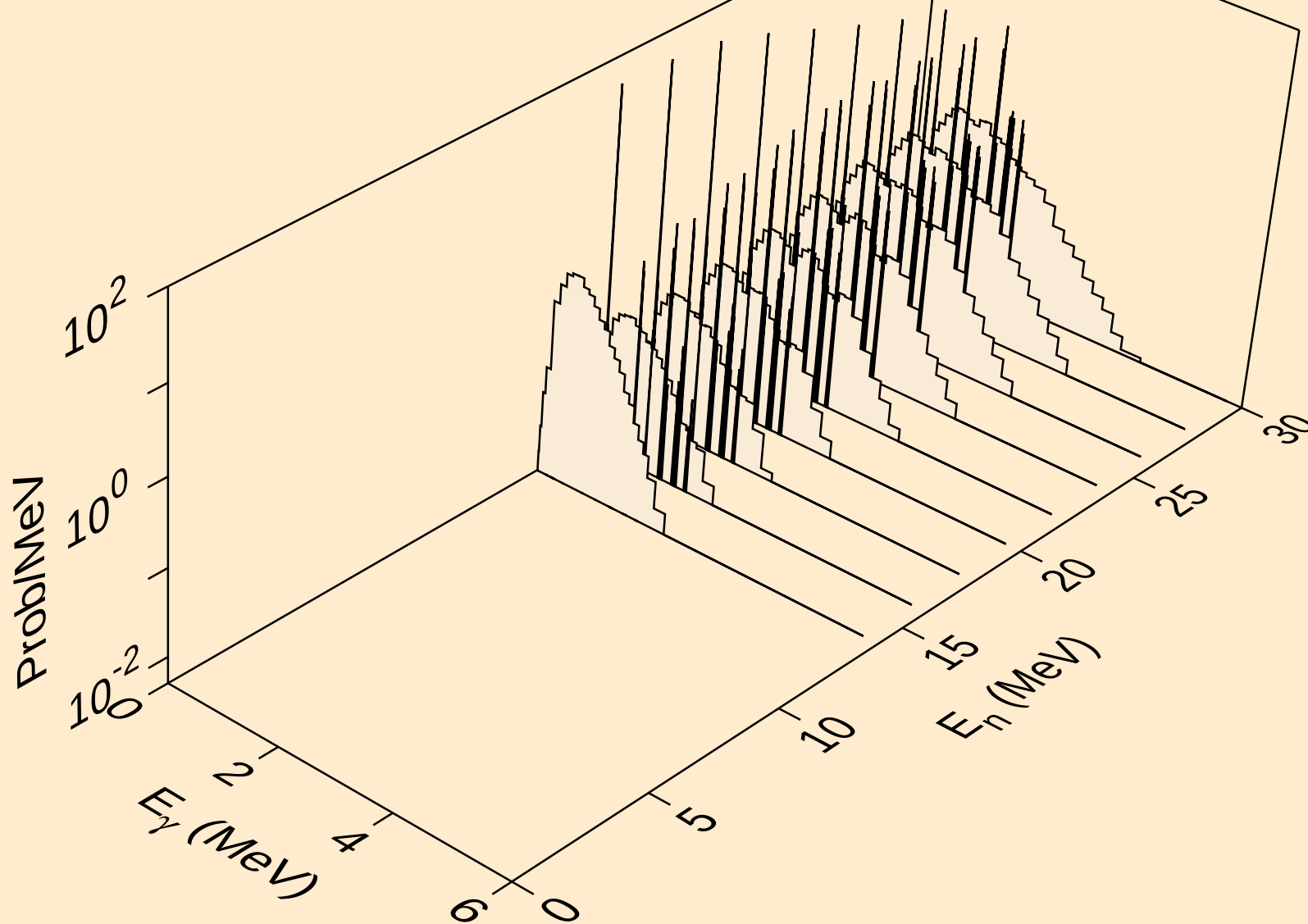
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,3n)\alpha$



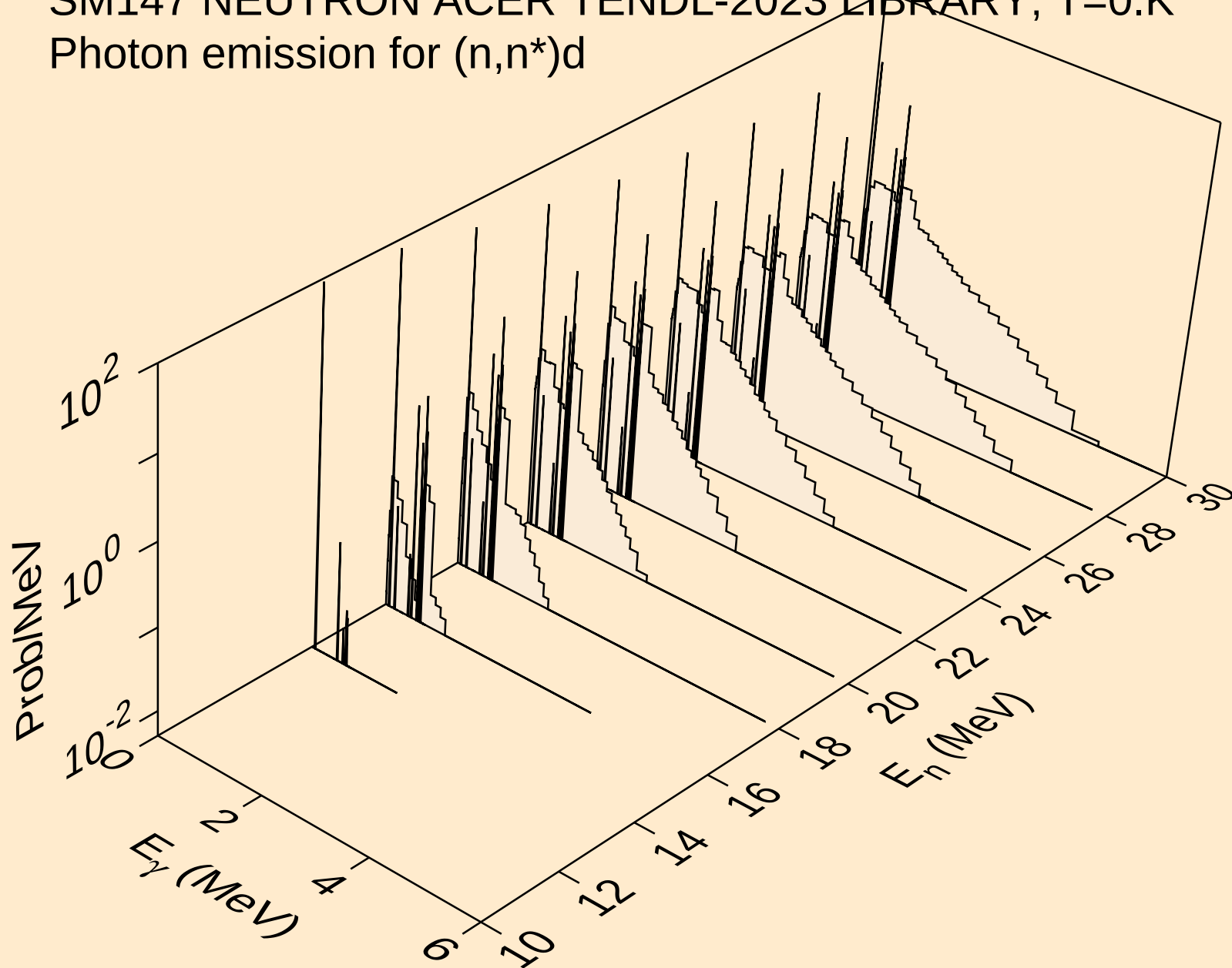
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



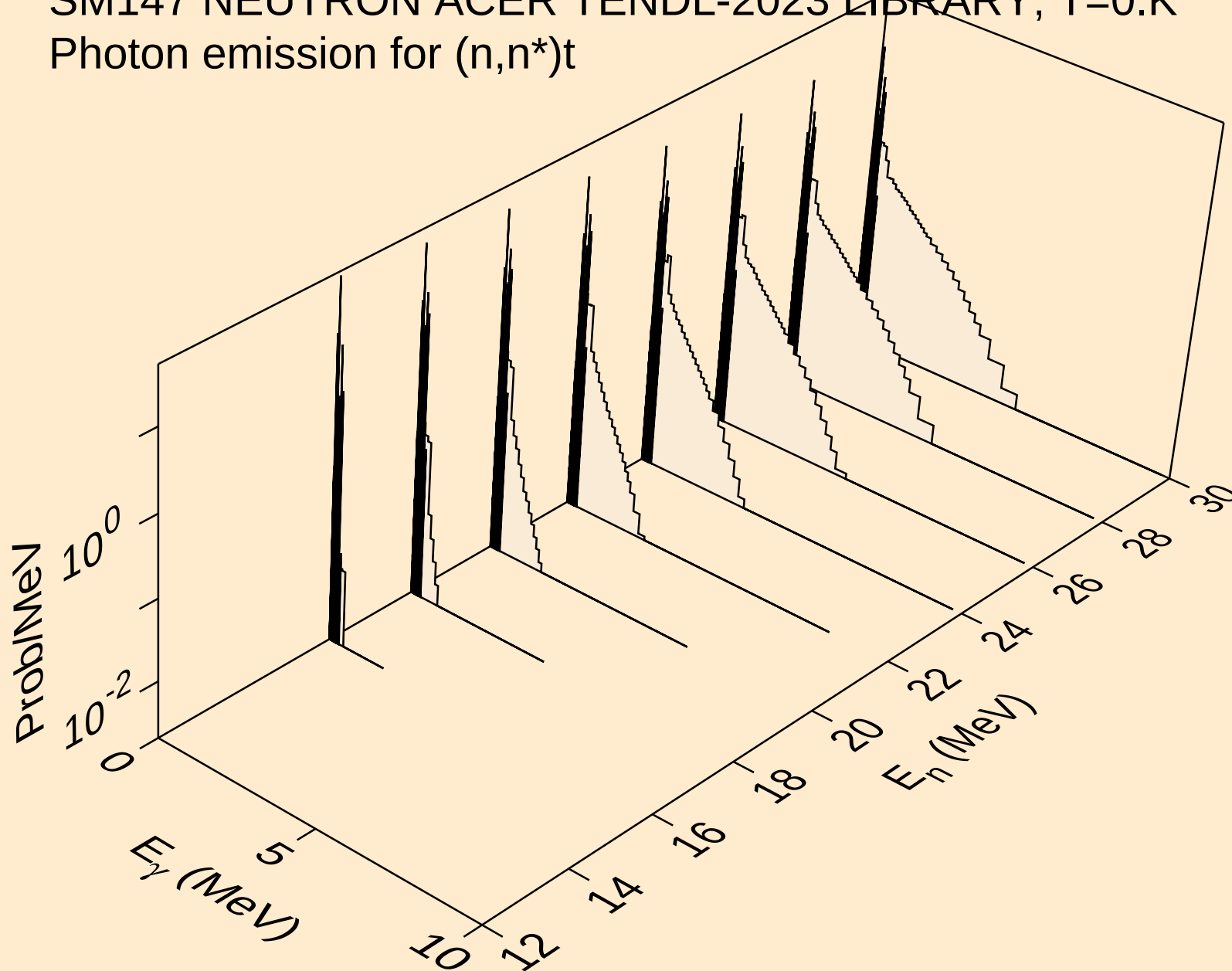
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for  $(n,n^*)2a$



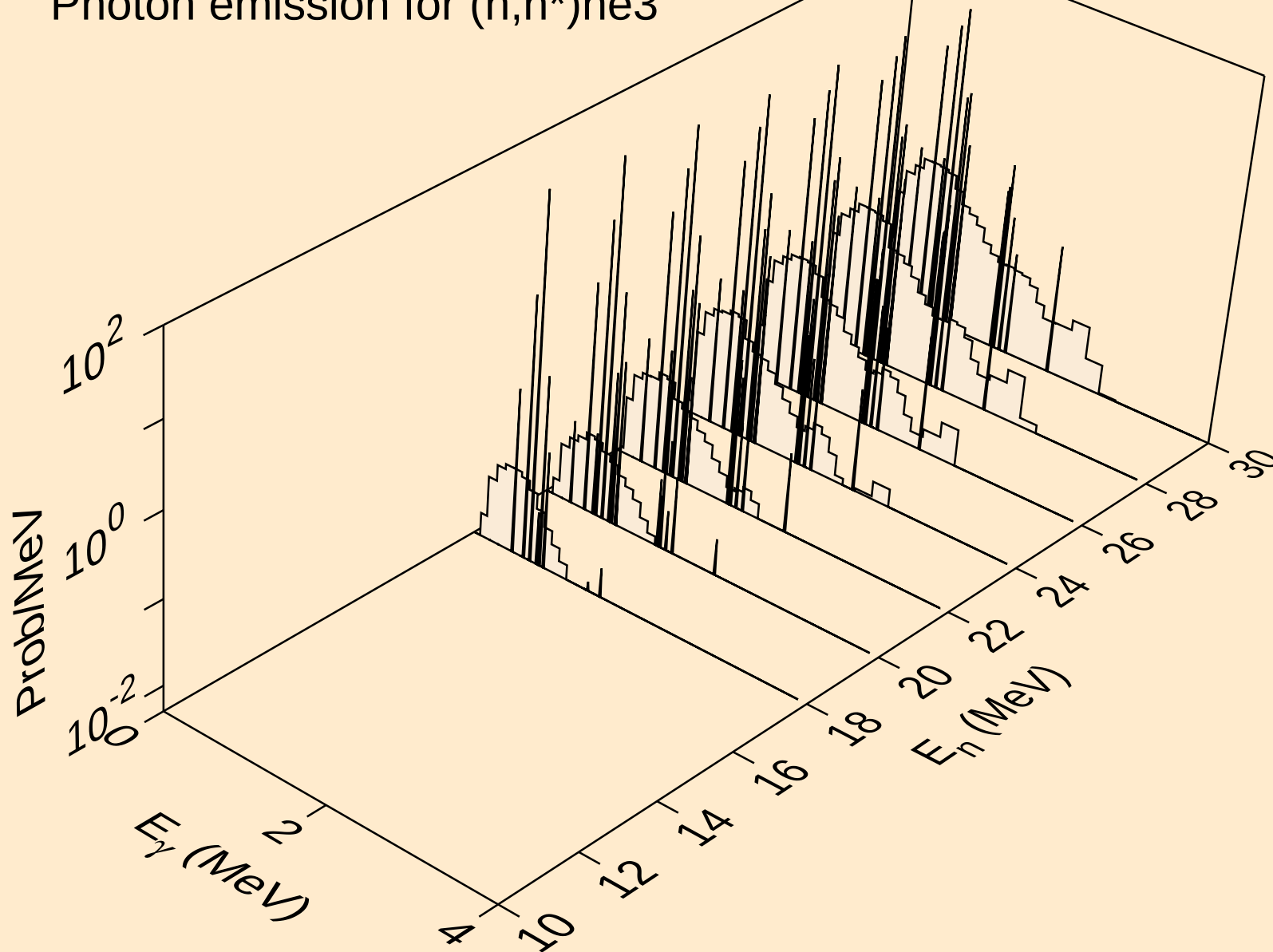
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



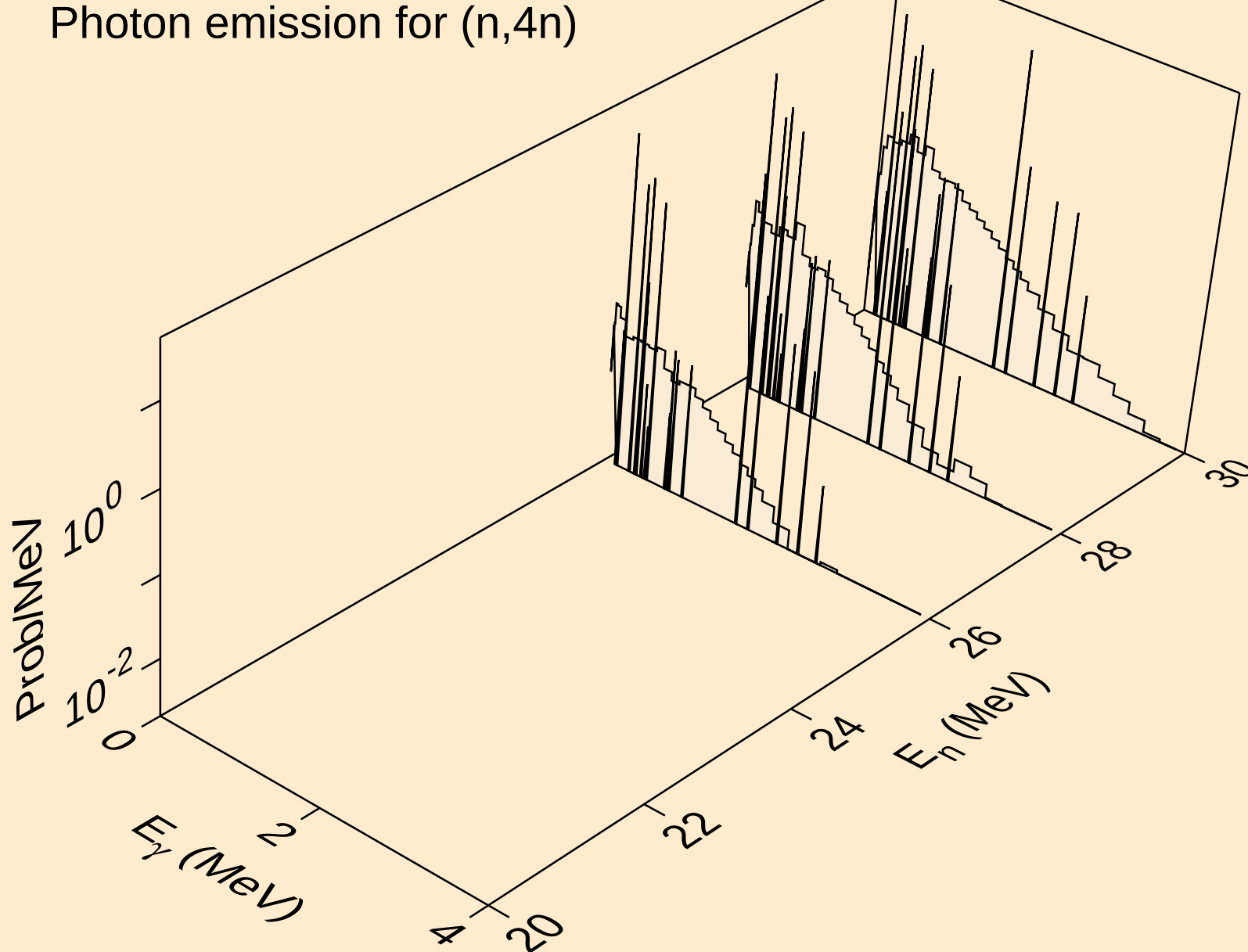
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



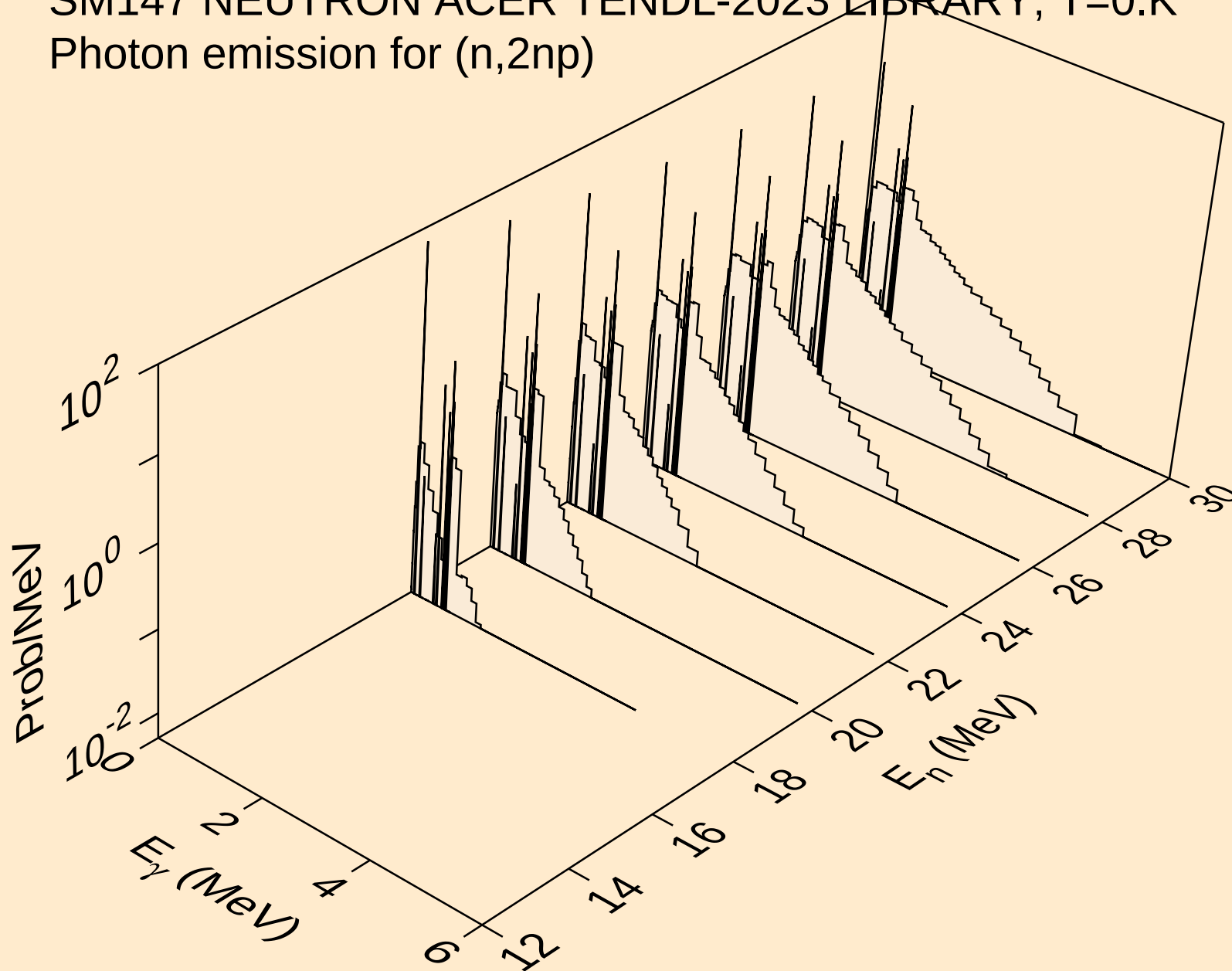
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



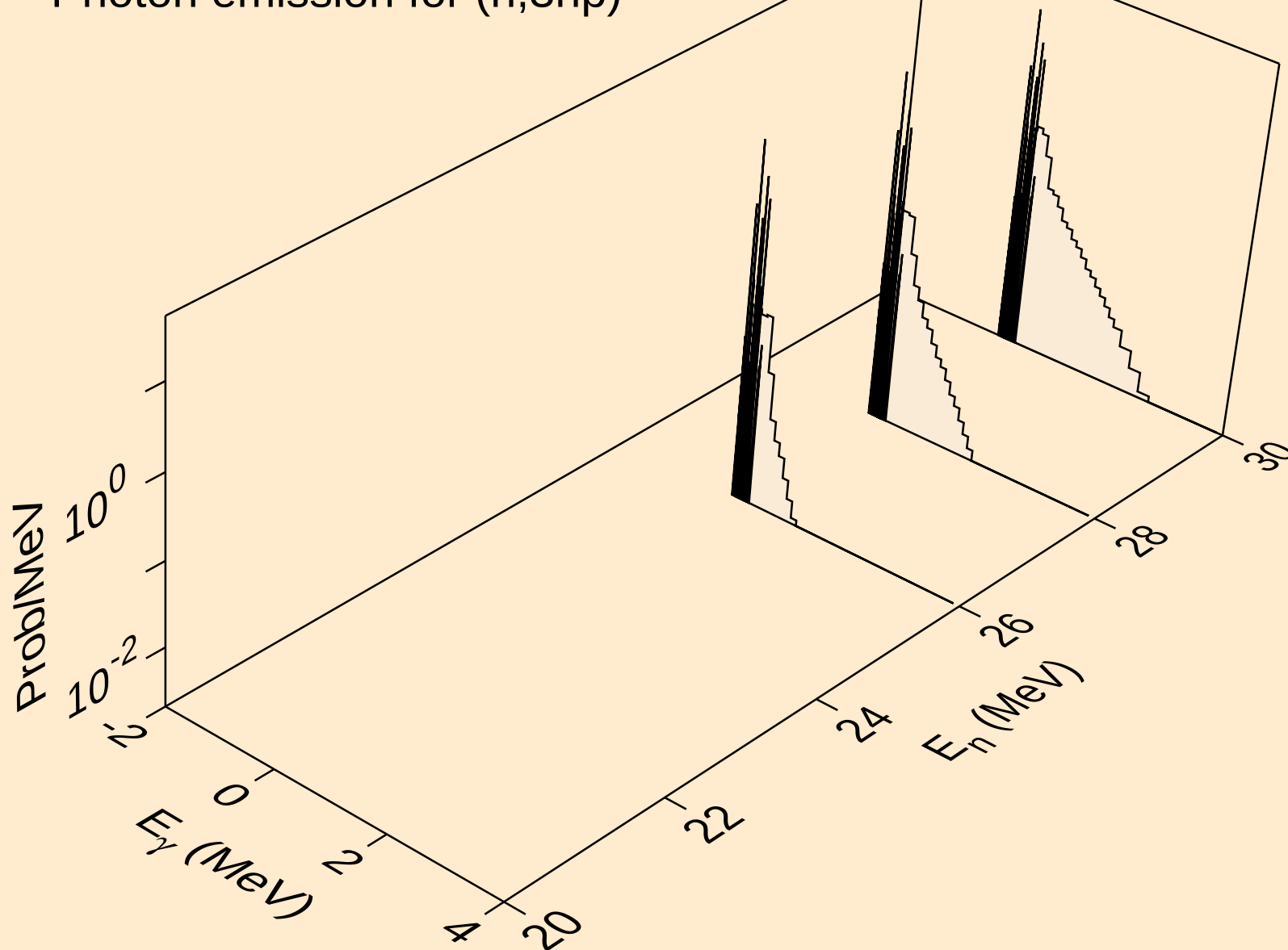
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



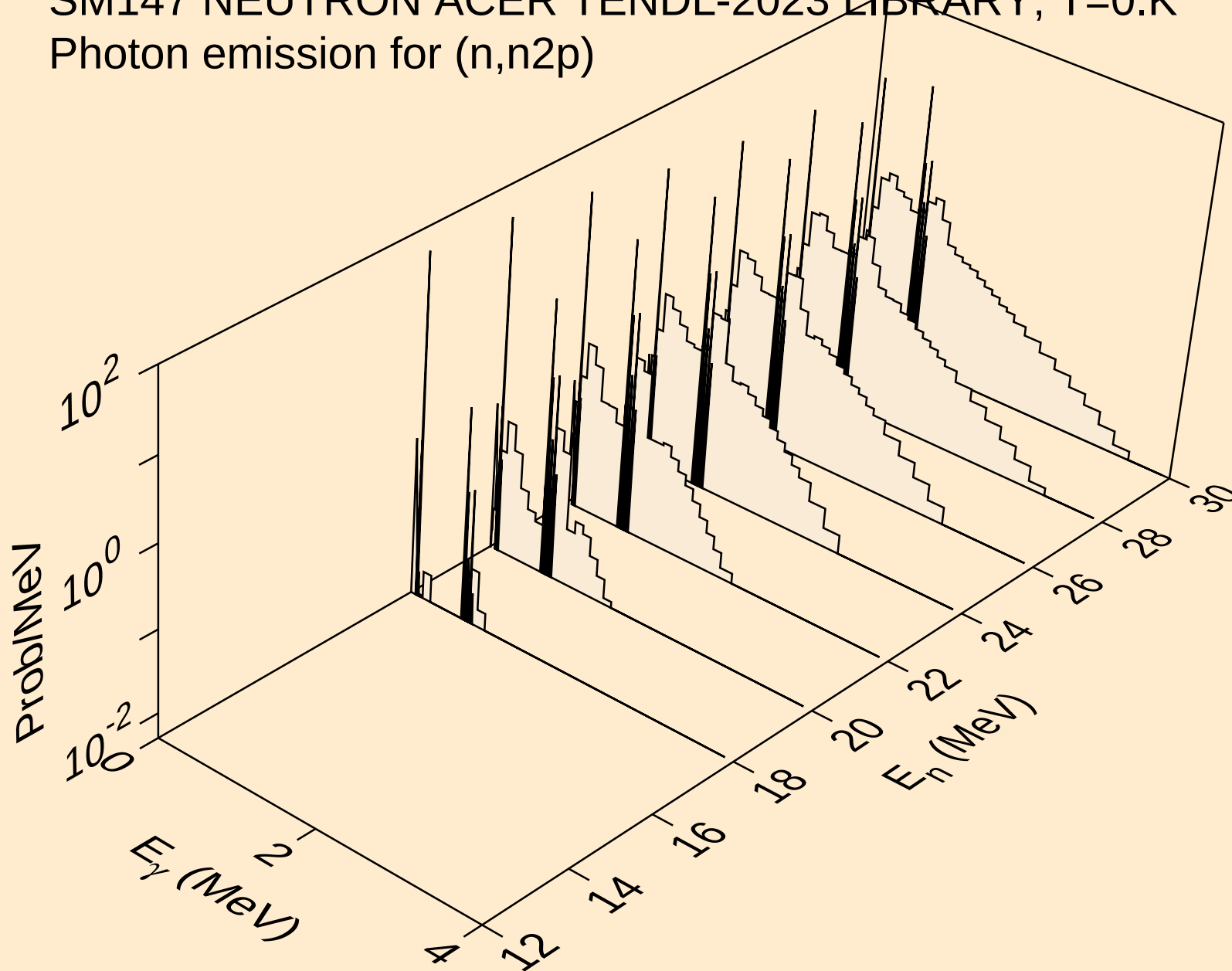
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2np)



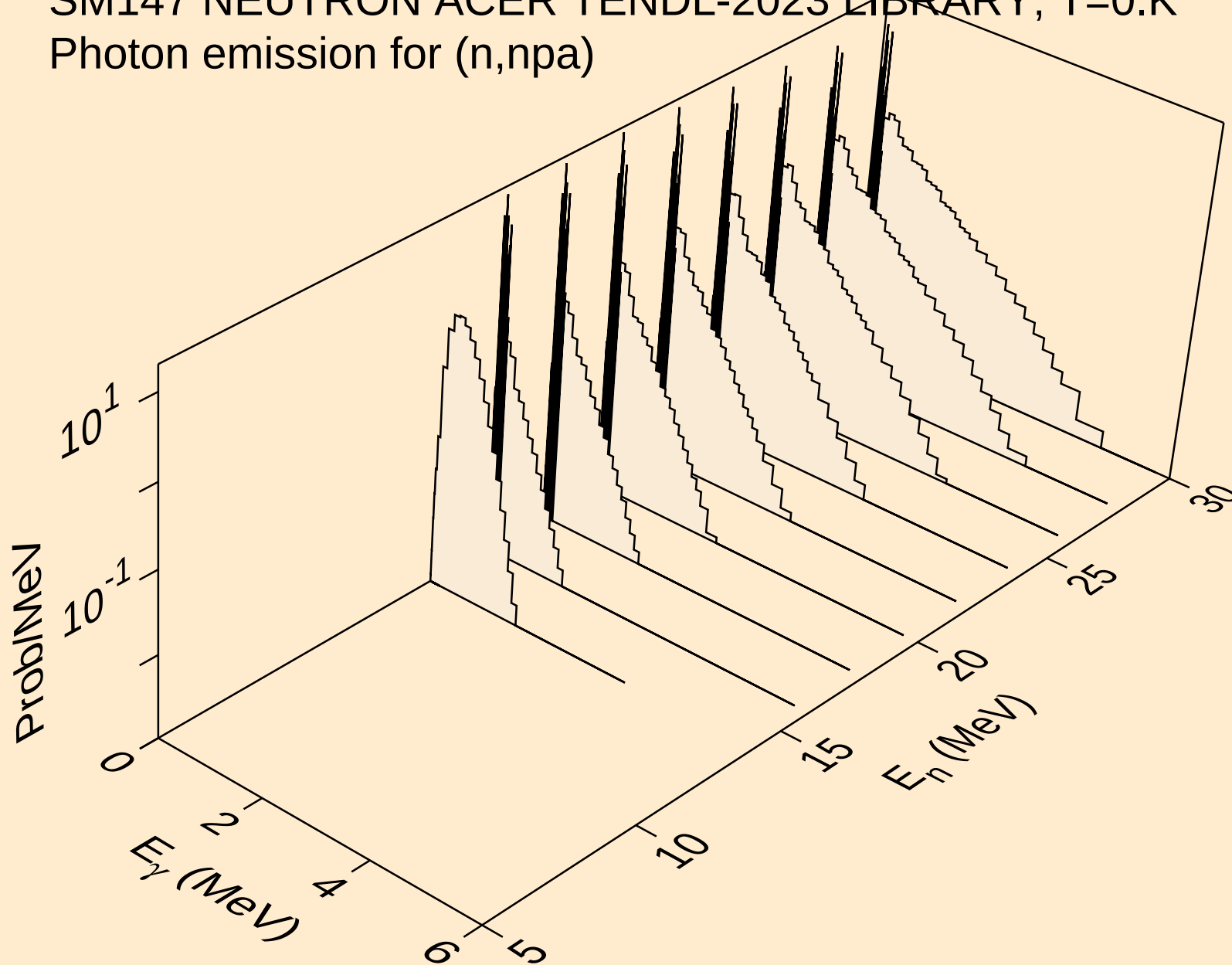
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



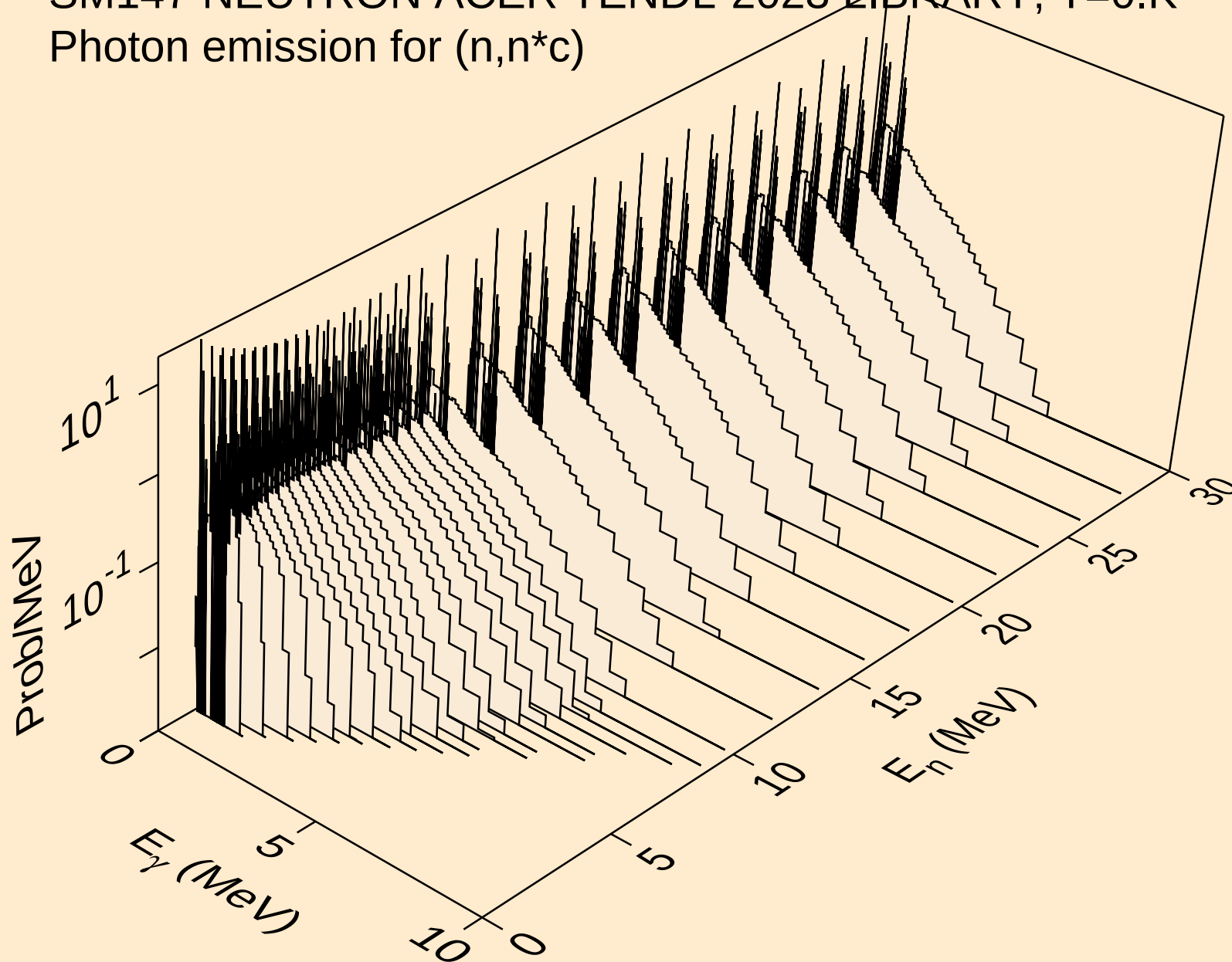
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,n2p)



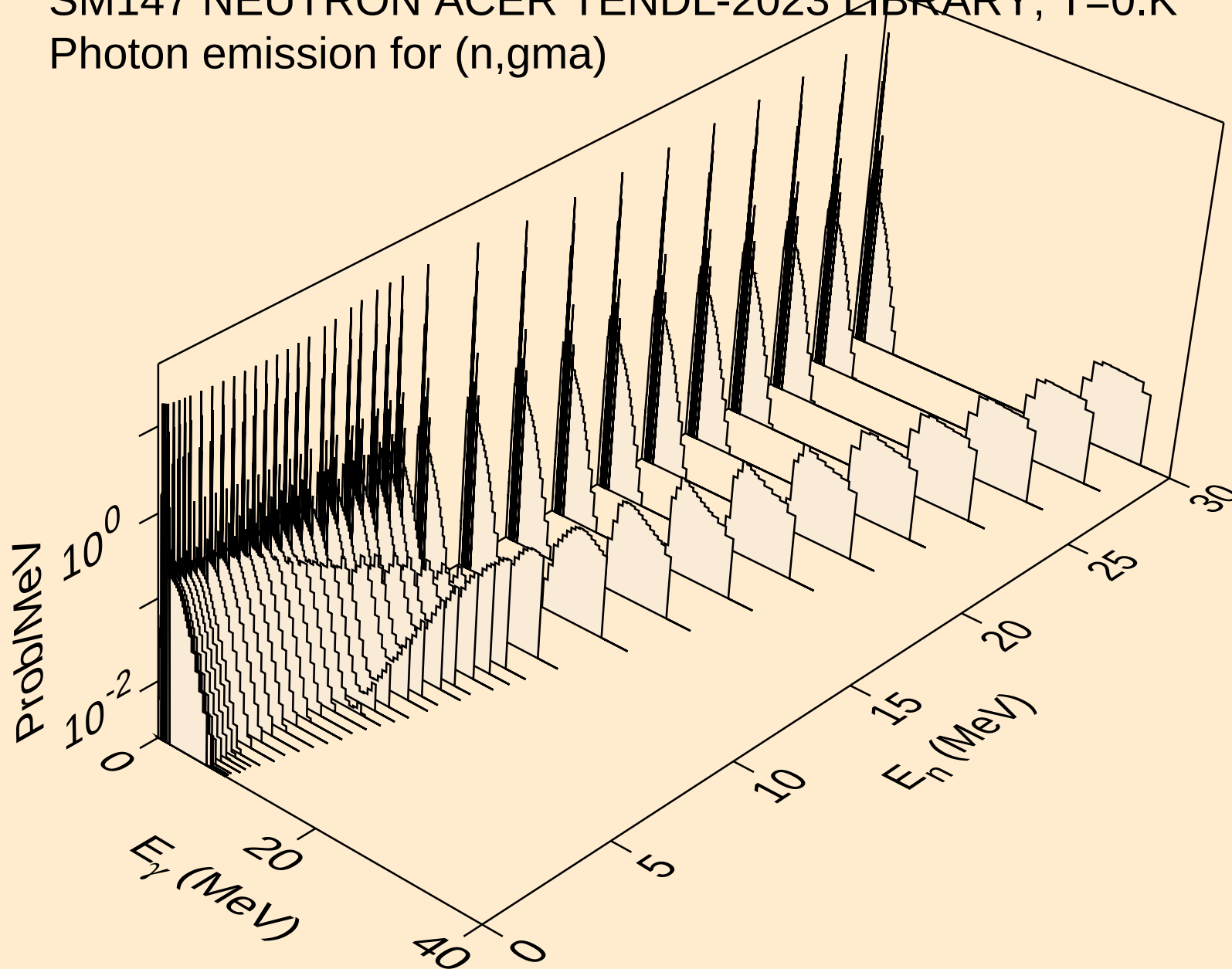
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



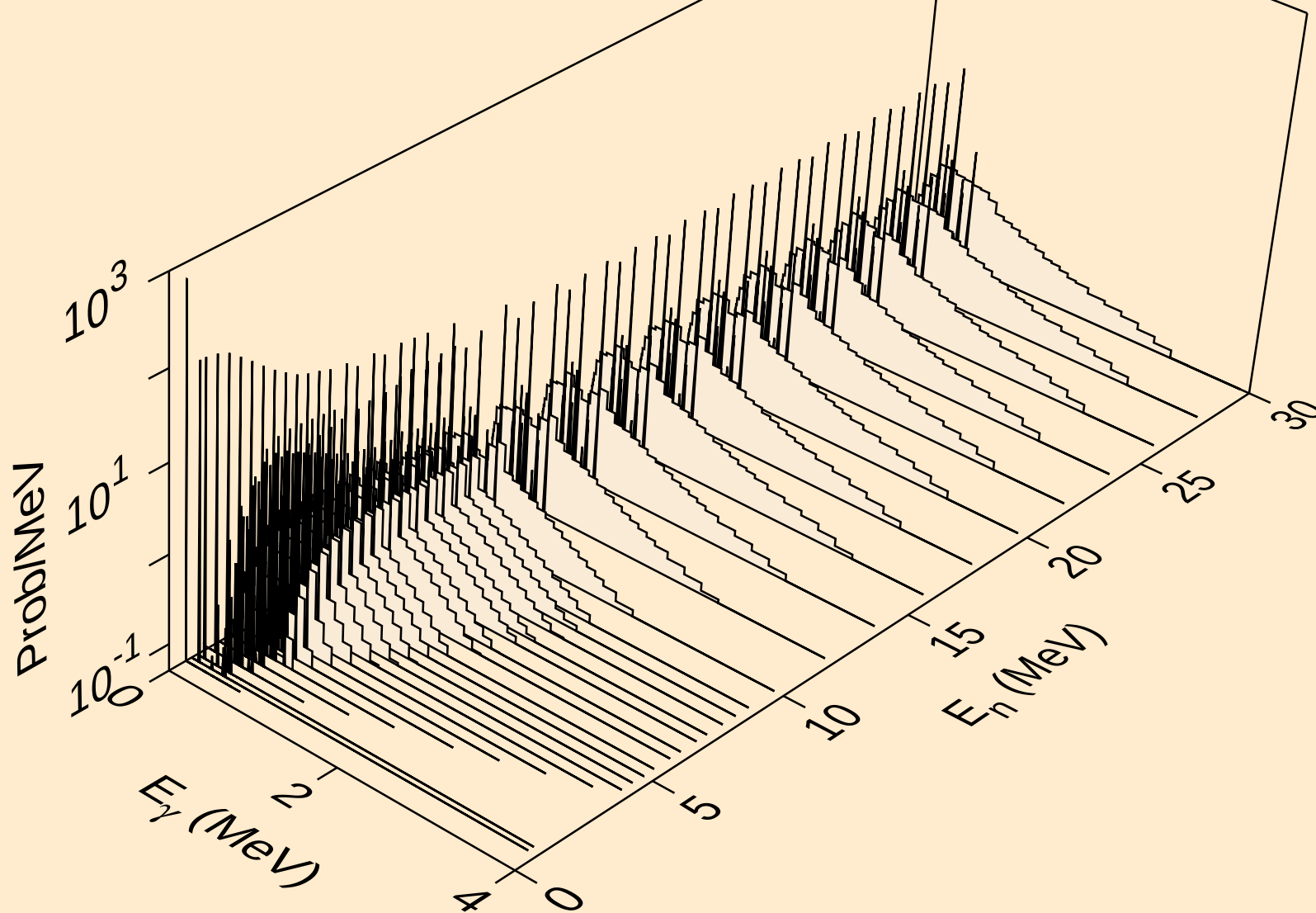
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,n\*c)



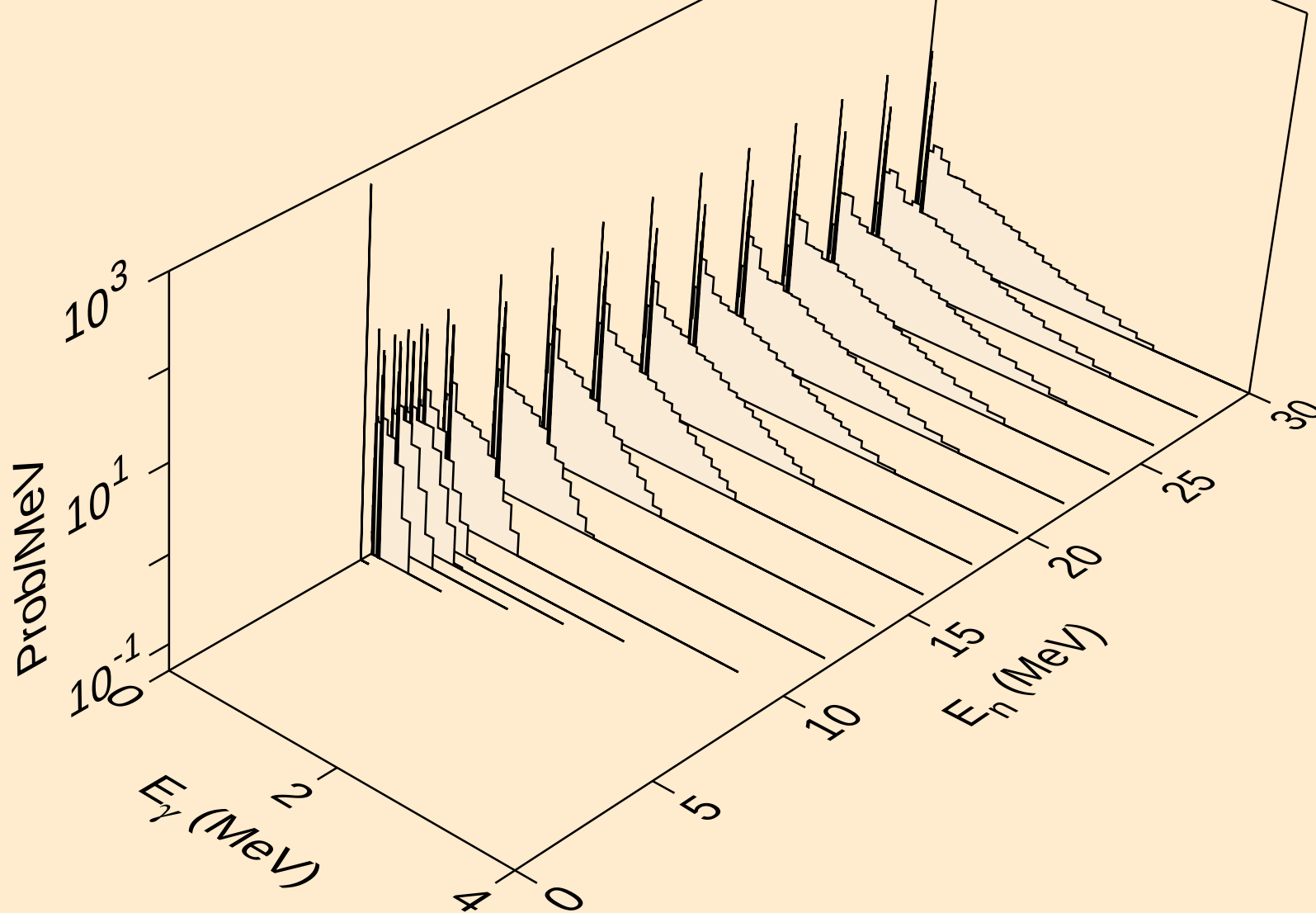
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



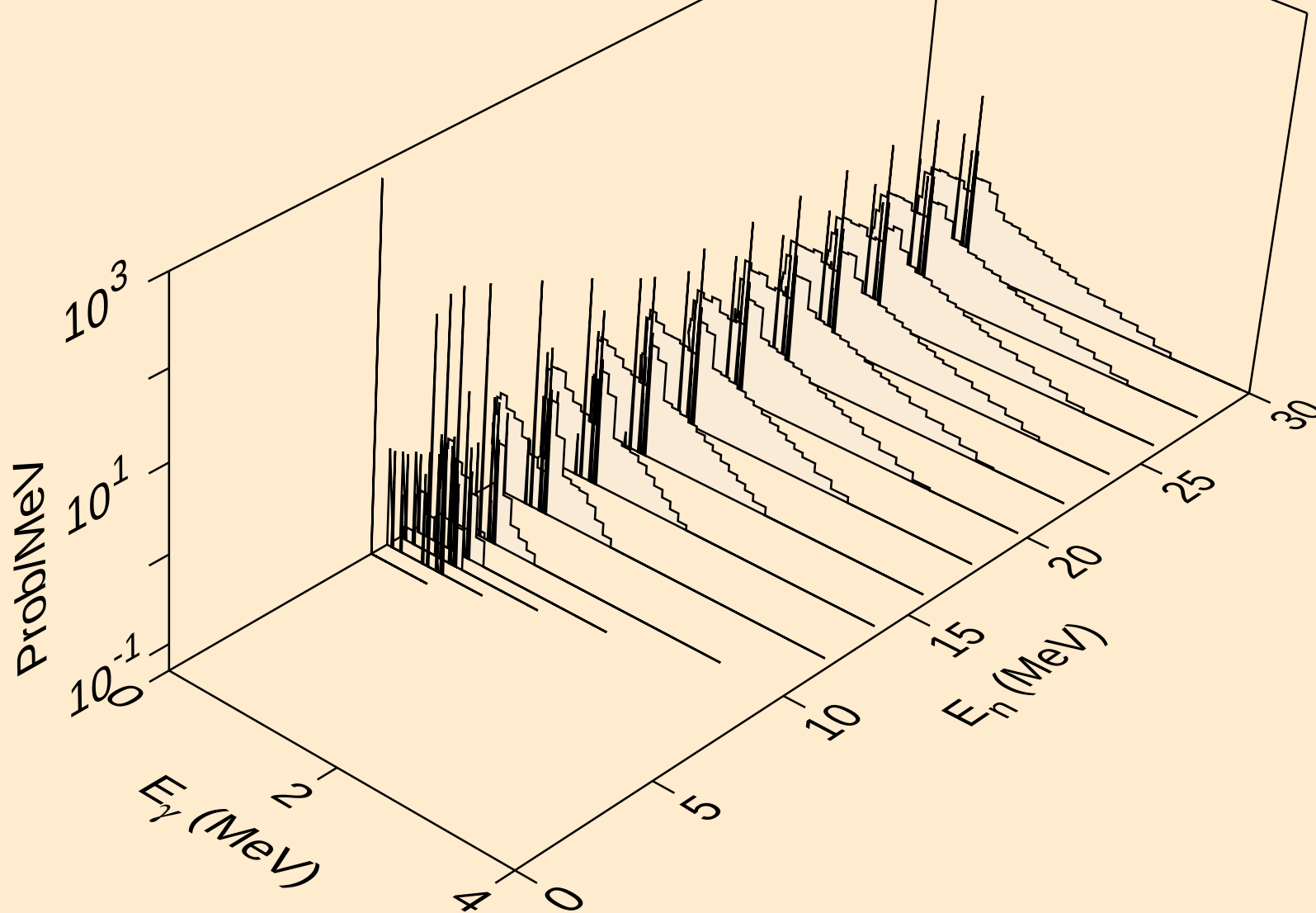
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,p)



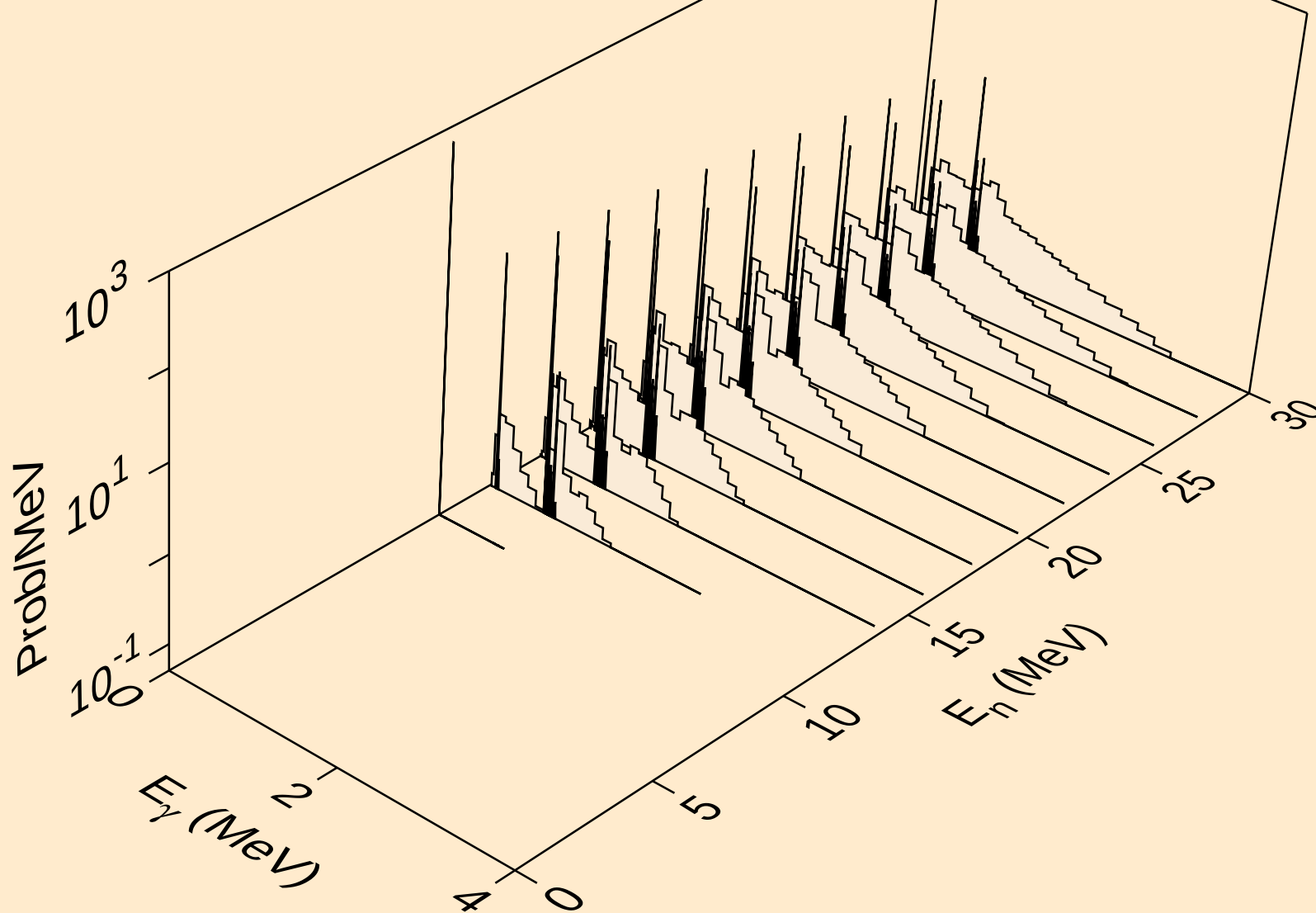
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,d)



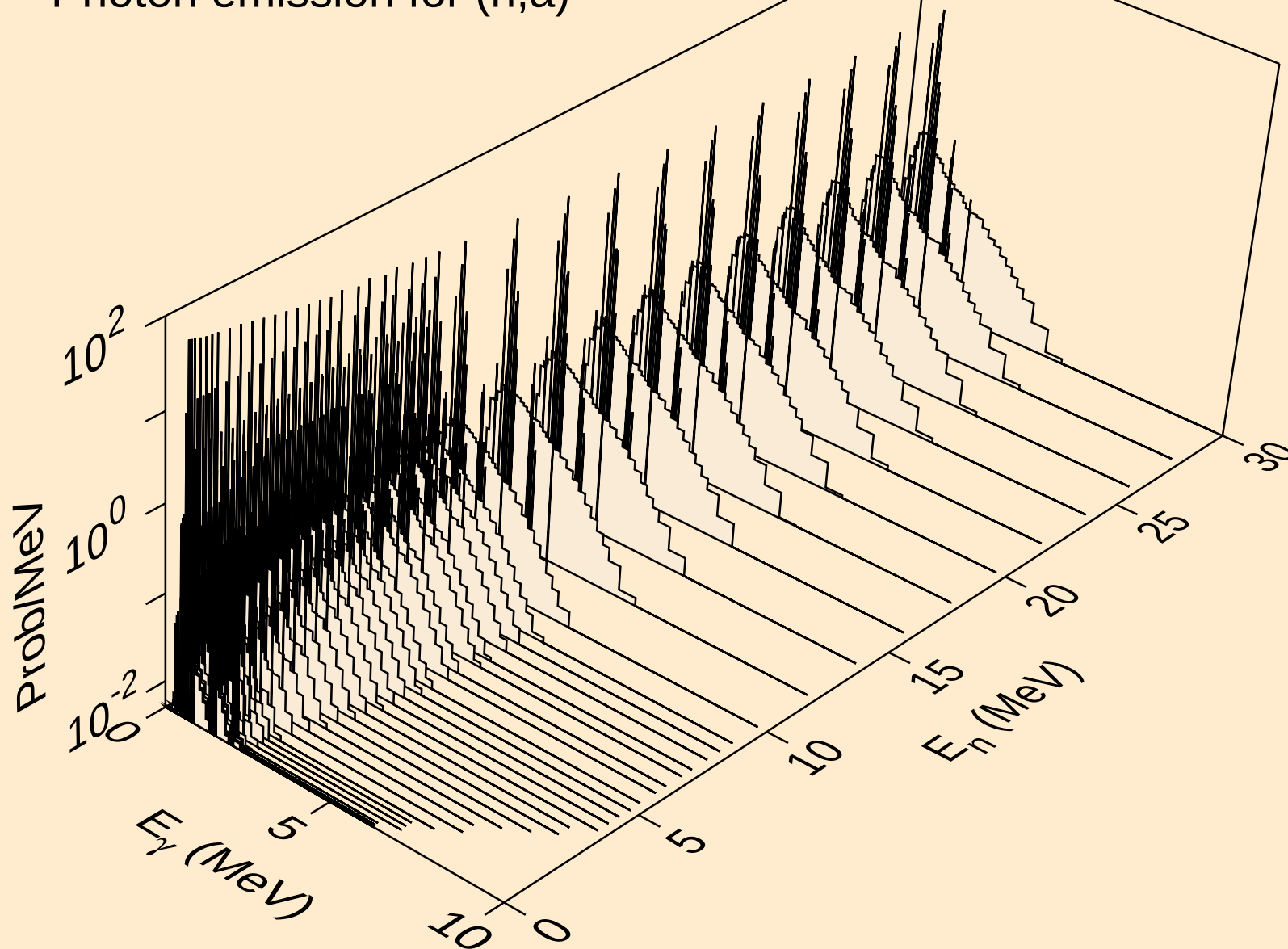
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,t)



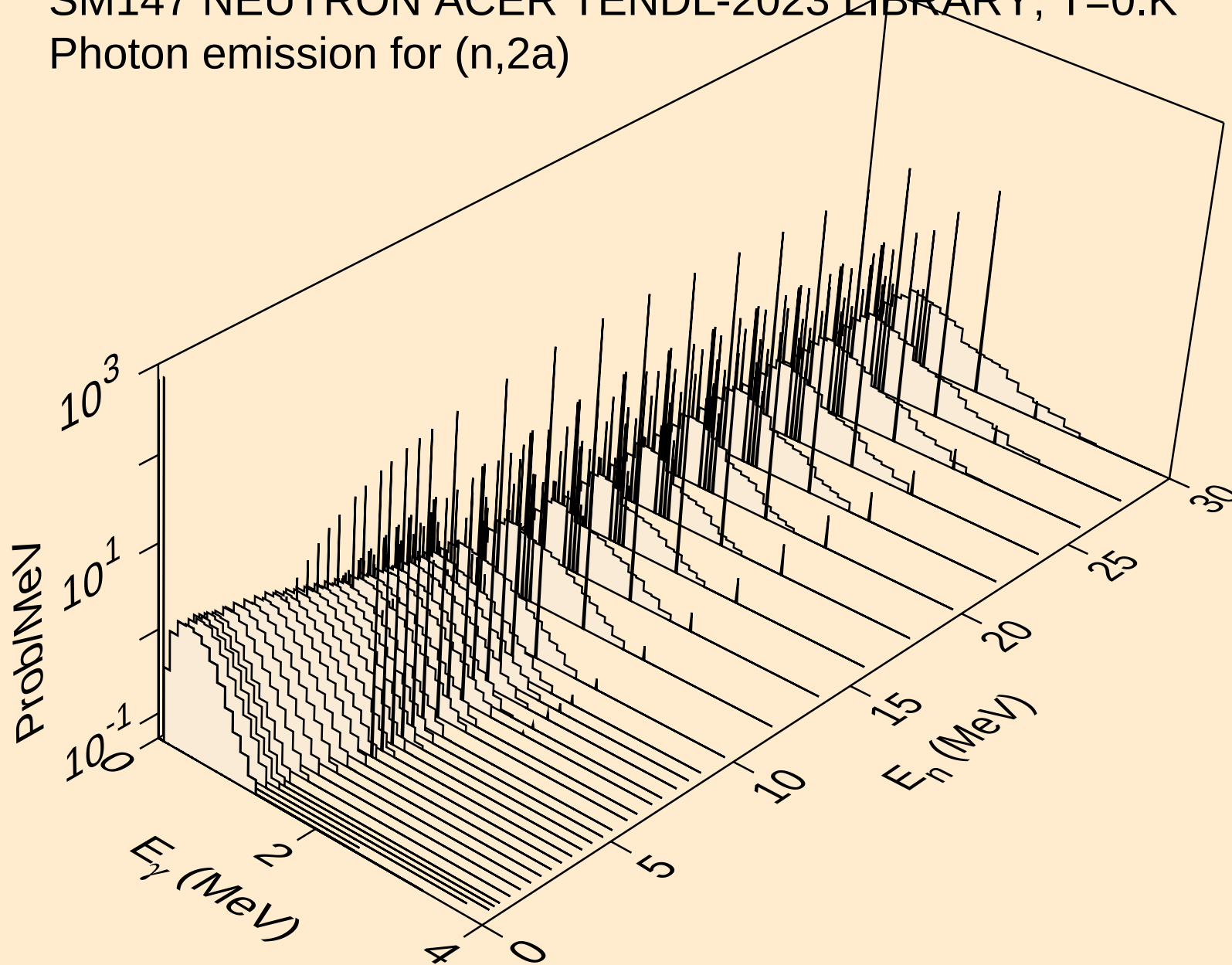
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,he3)



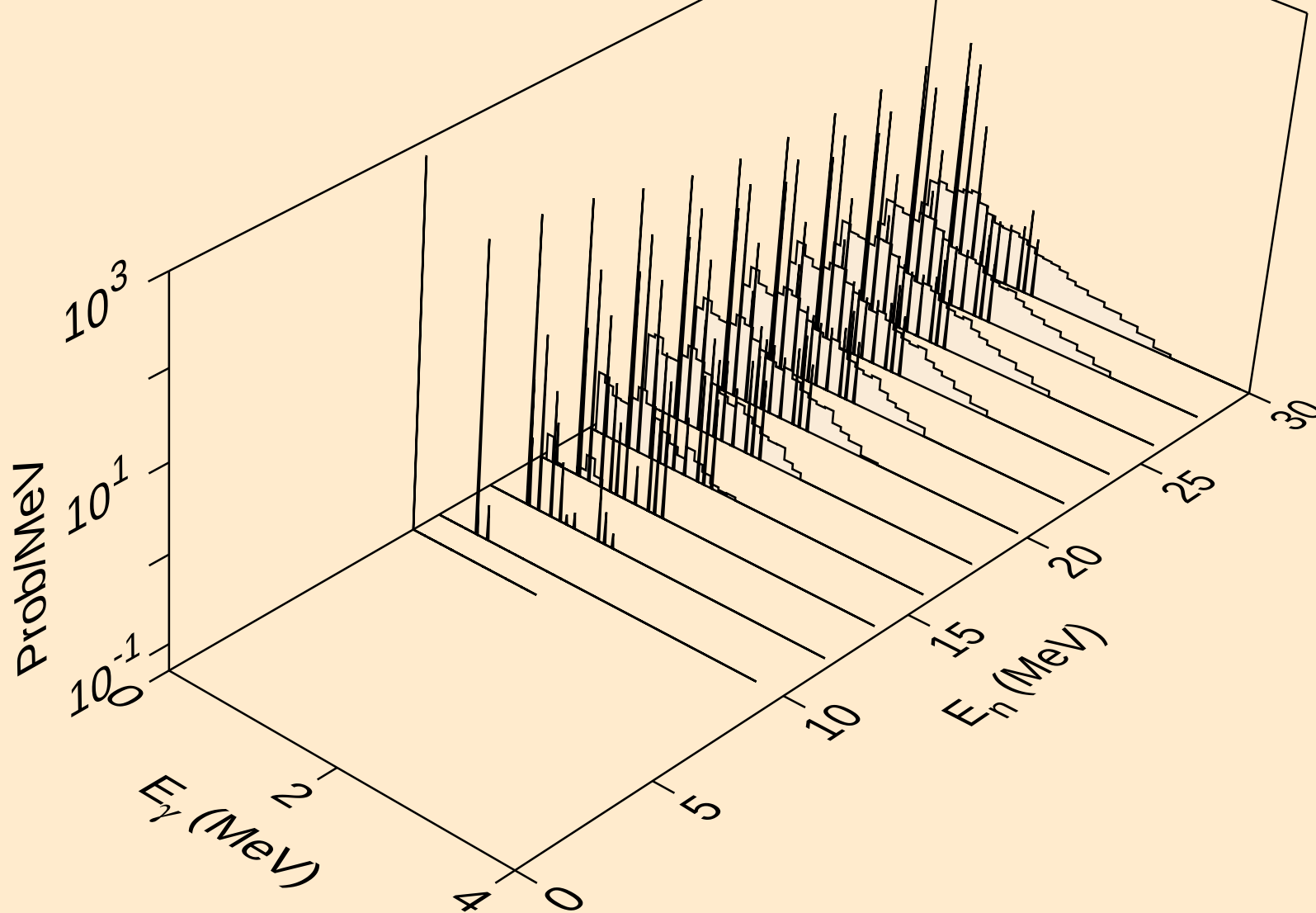
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,a)



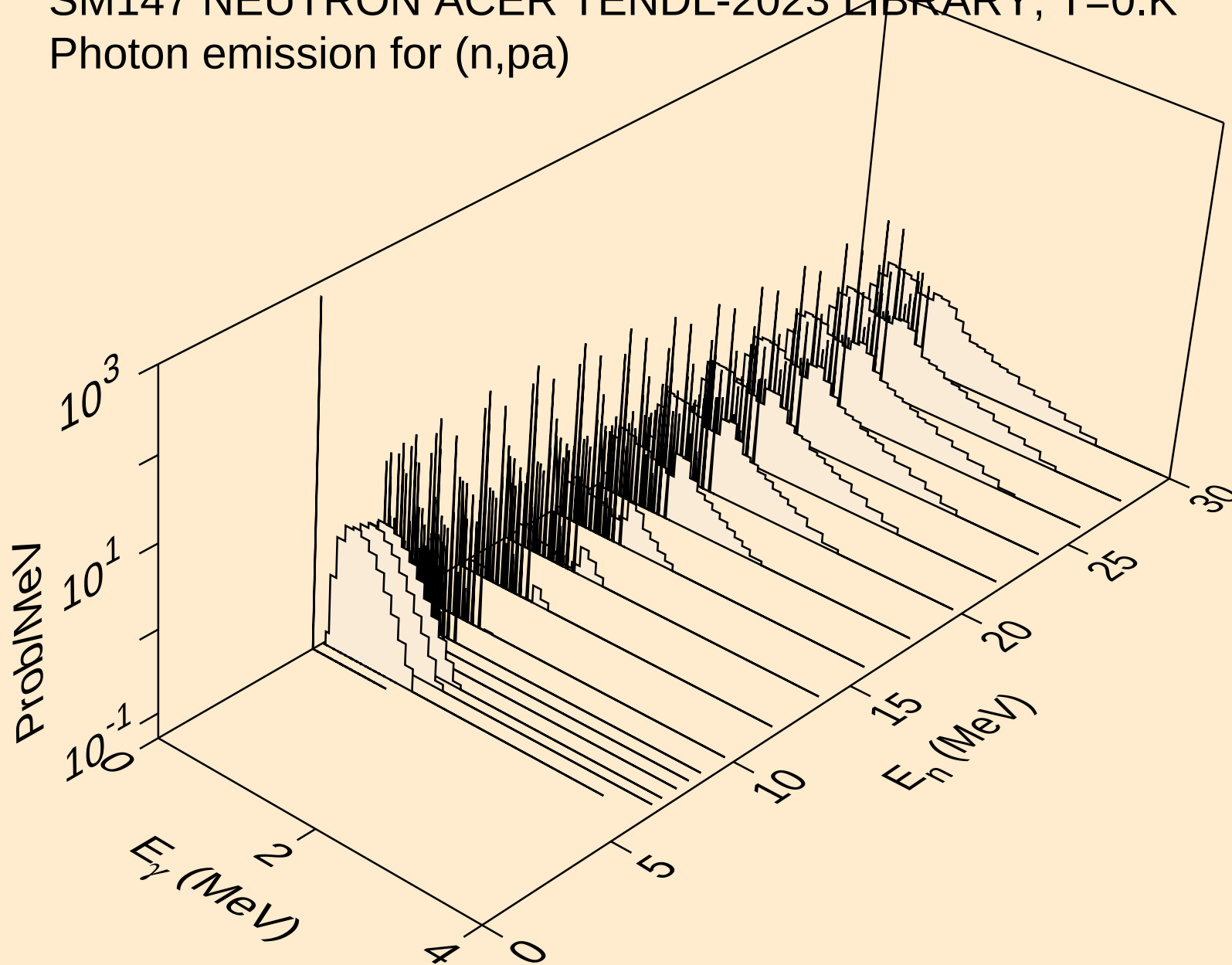
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2a)



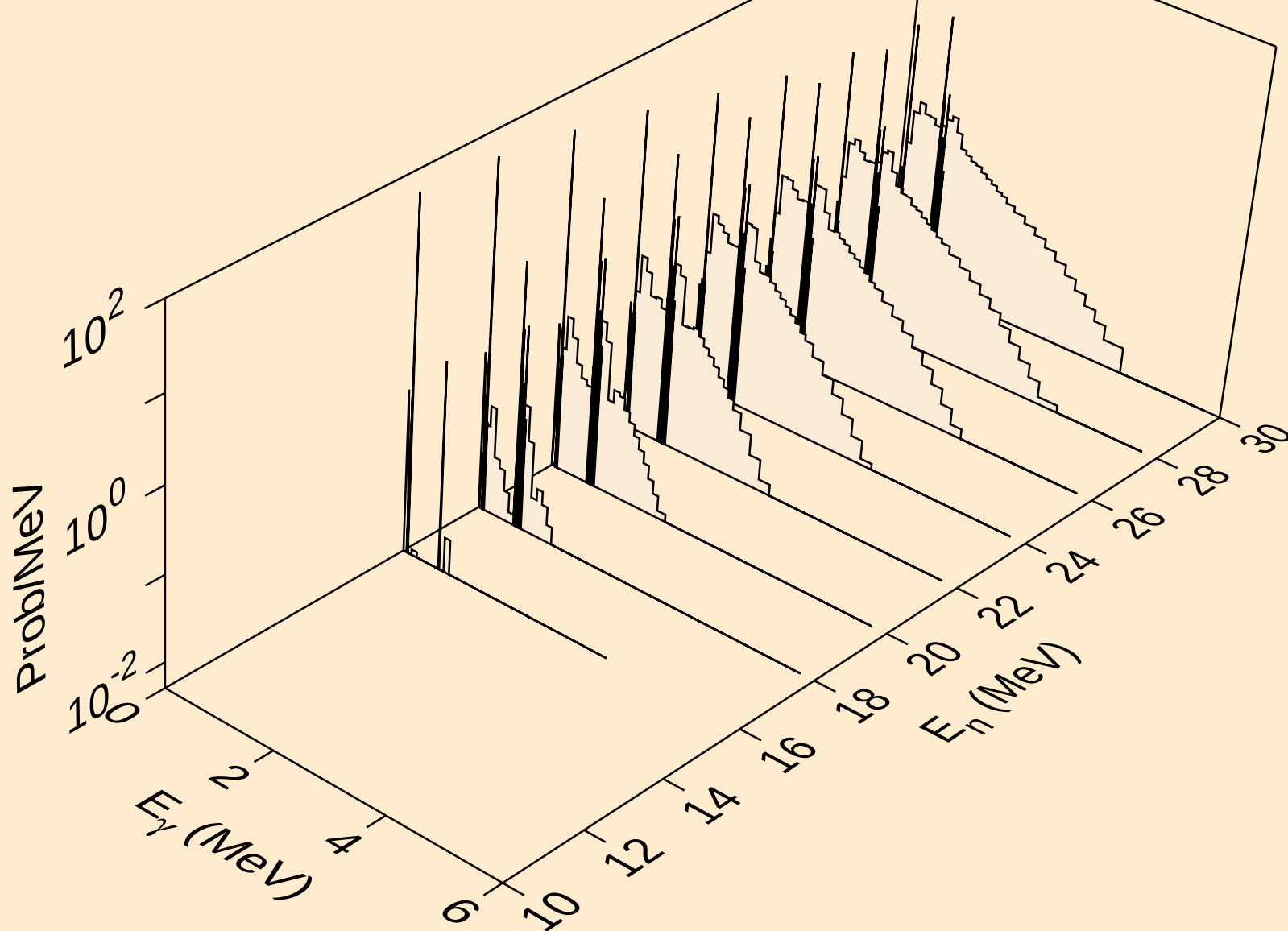
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2p)



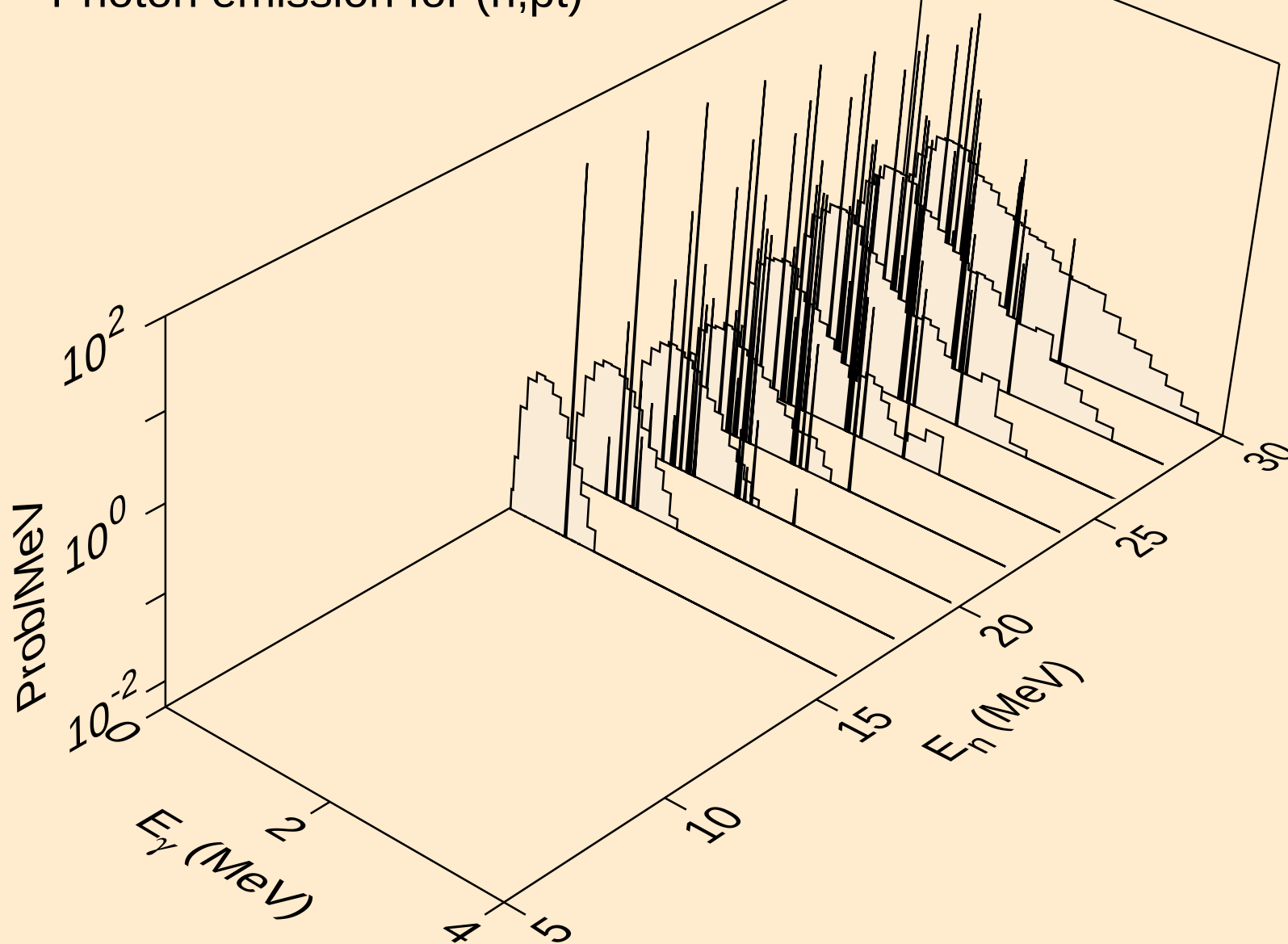
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,p $\alpha$ )



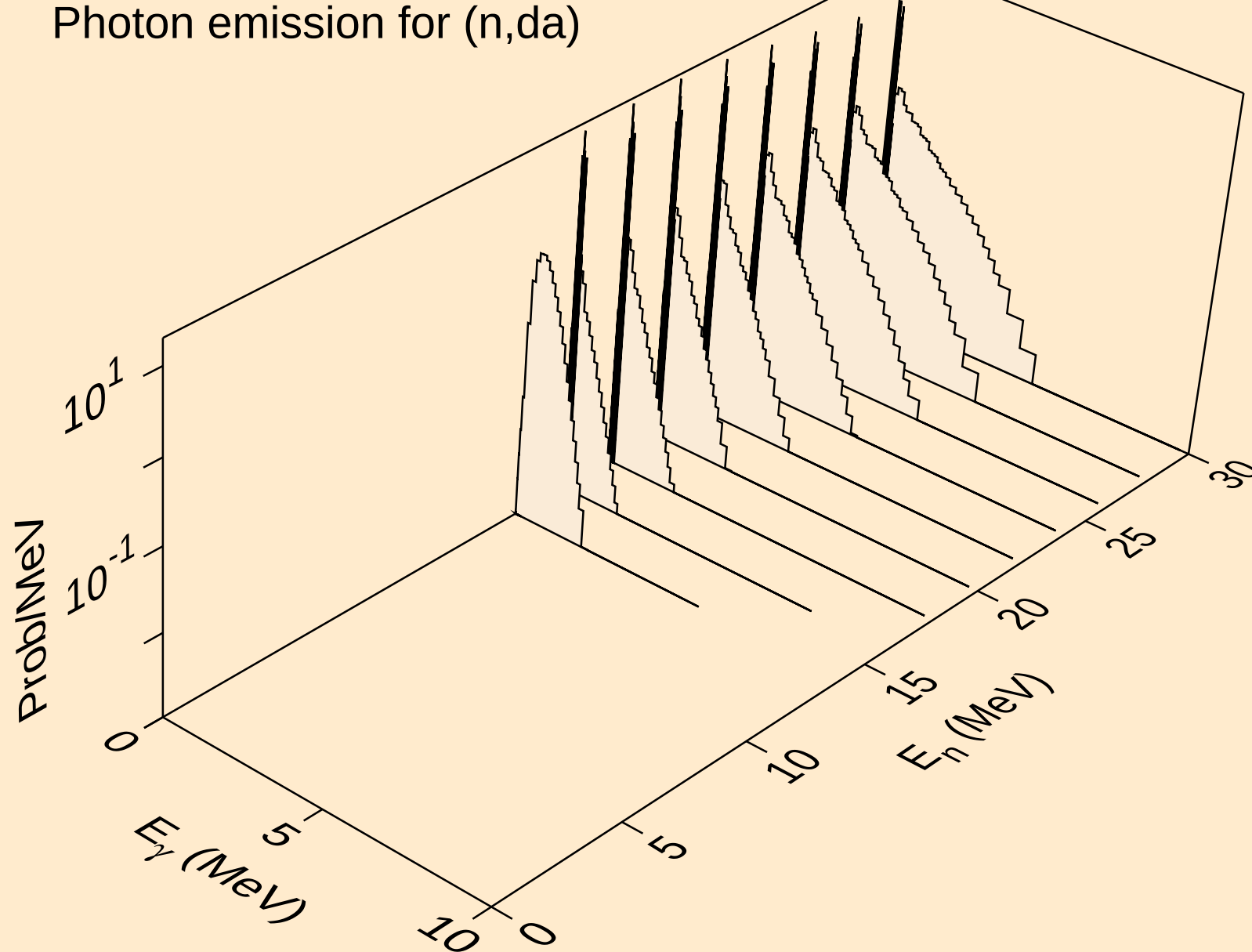
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



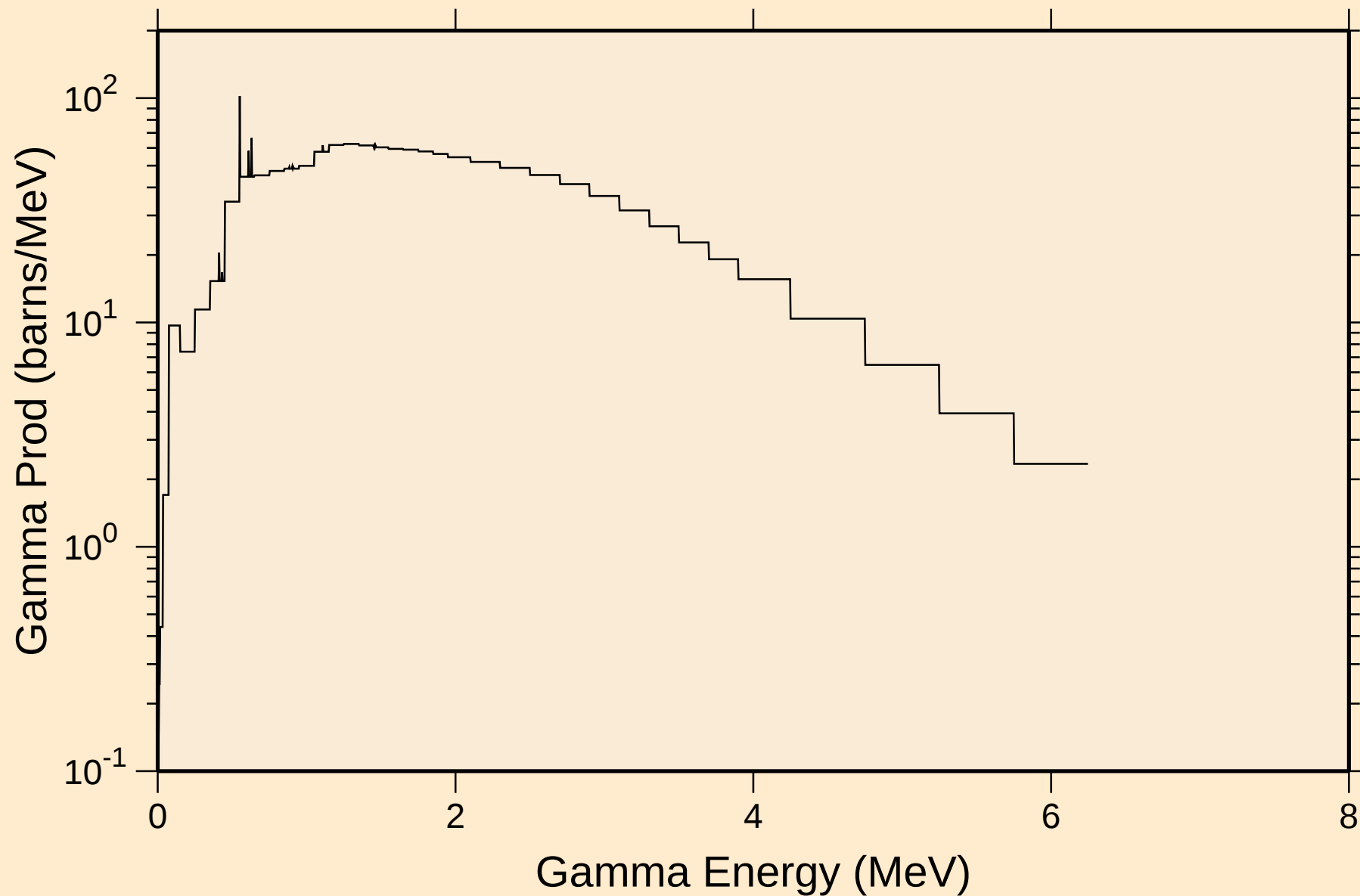
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



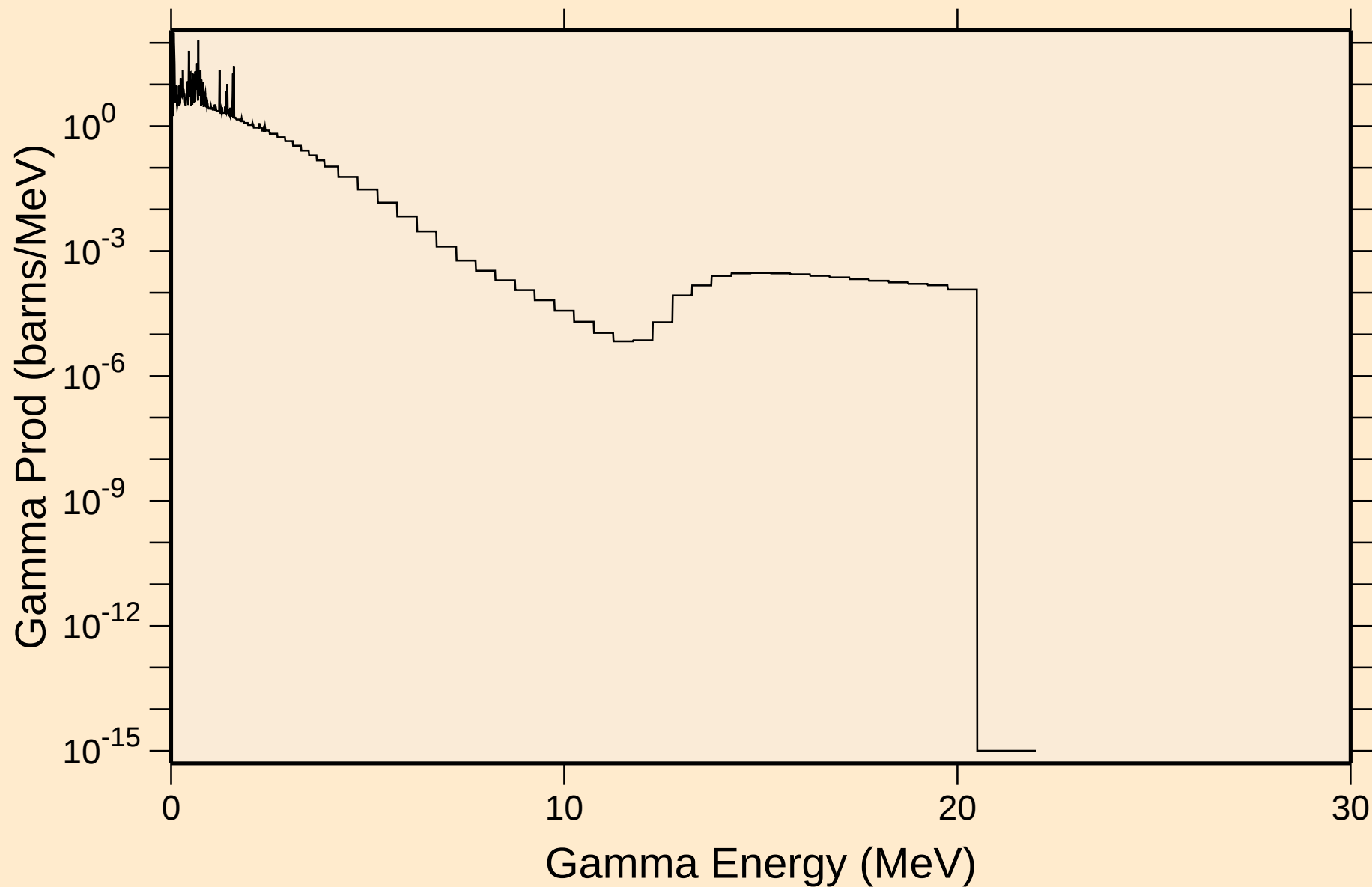
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

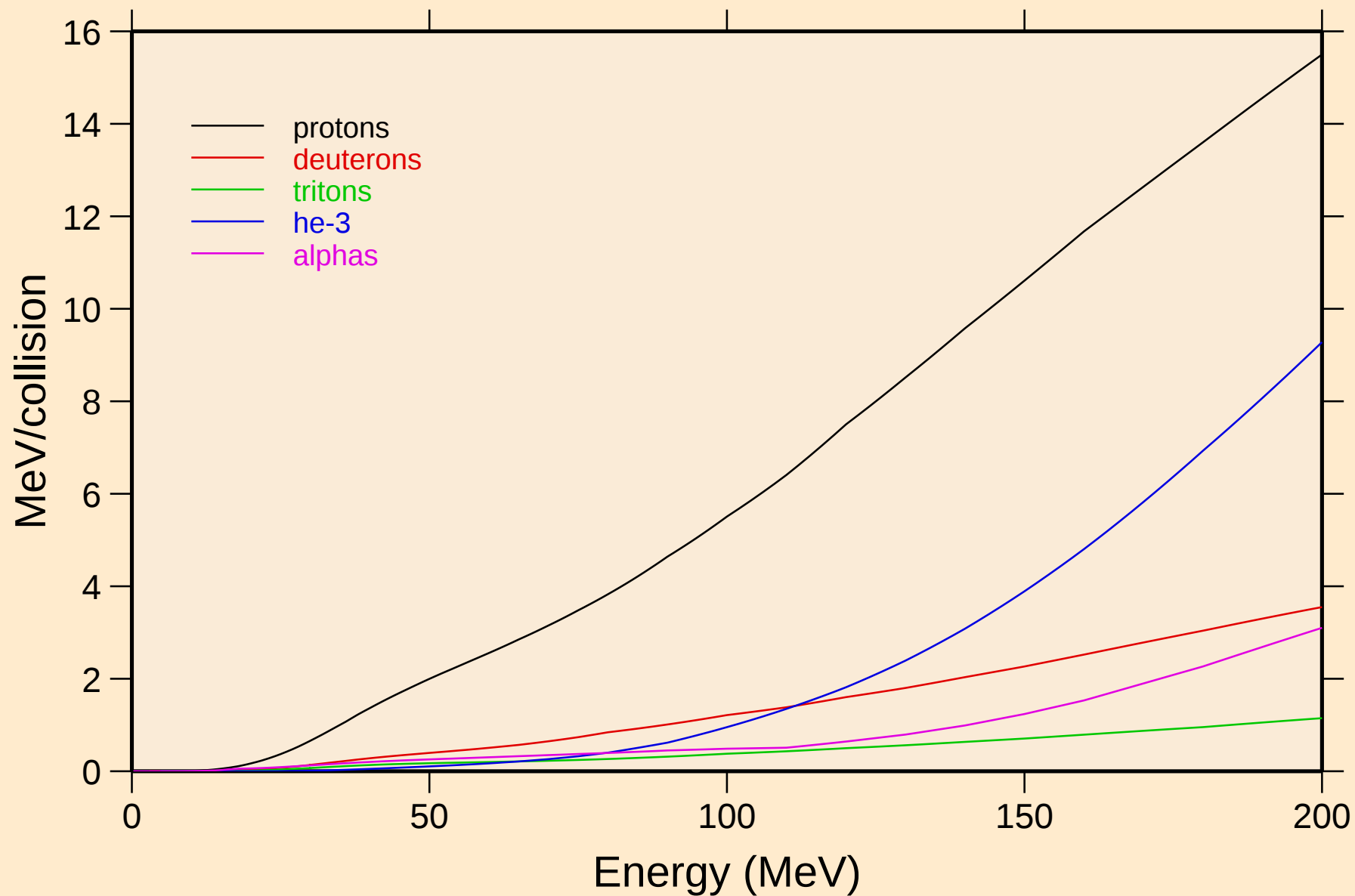


SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



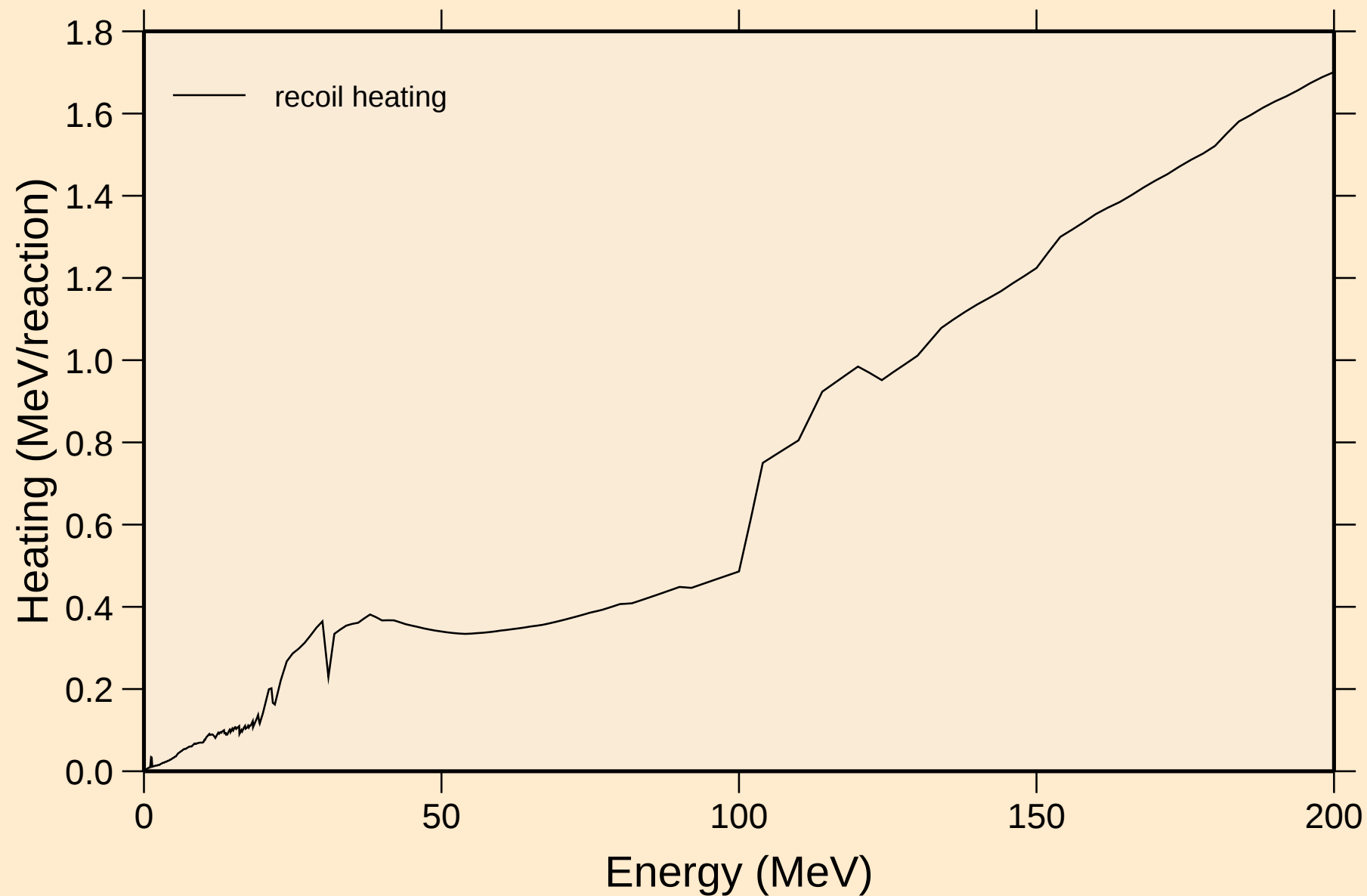
# SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

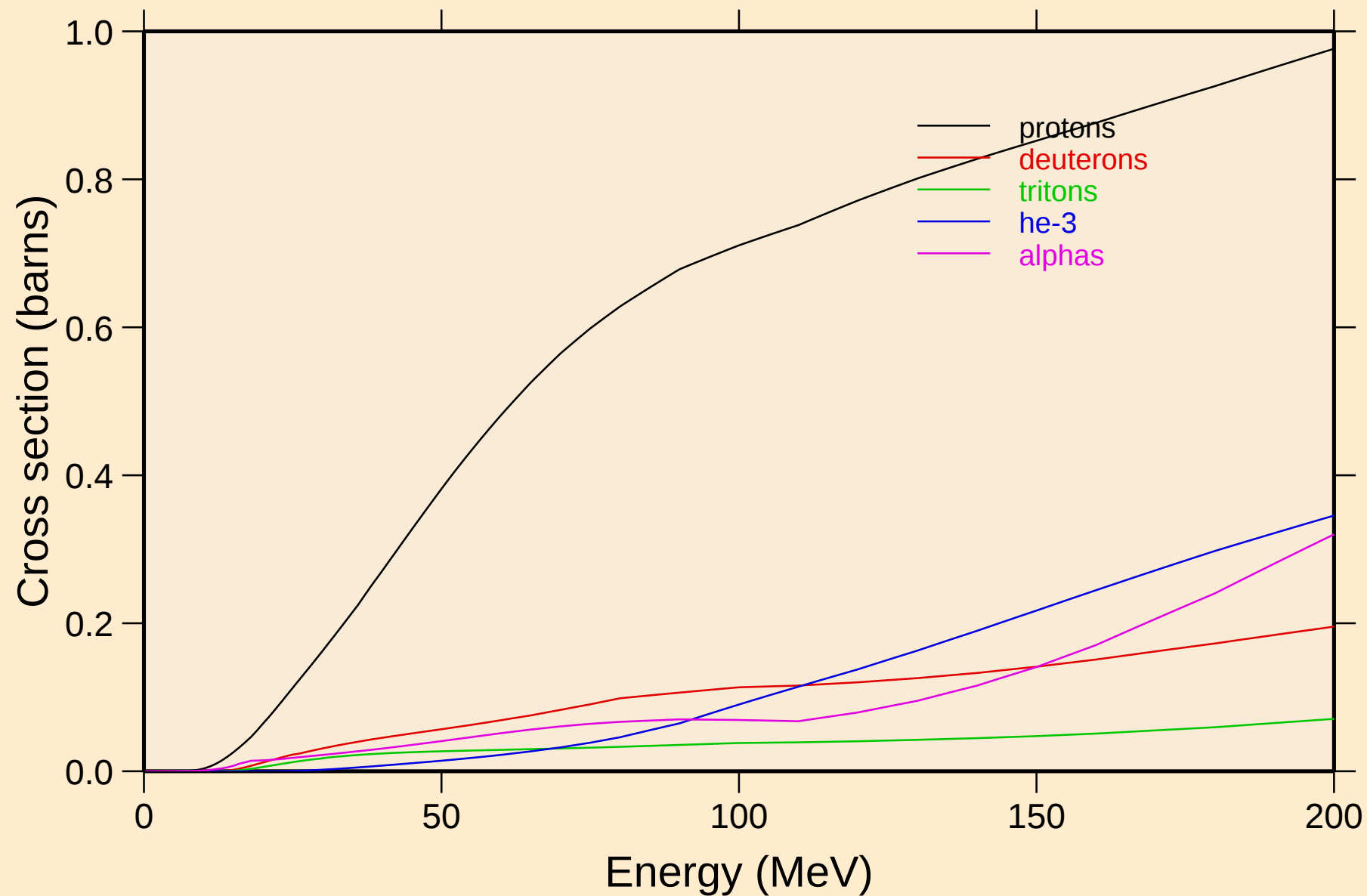


# SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

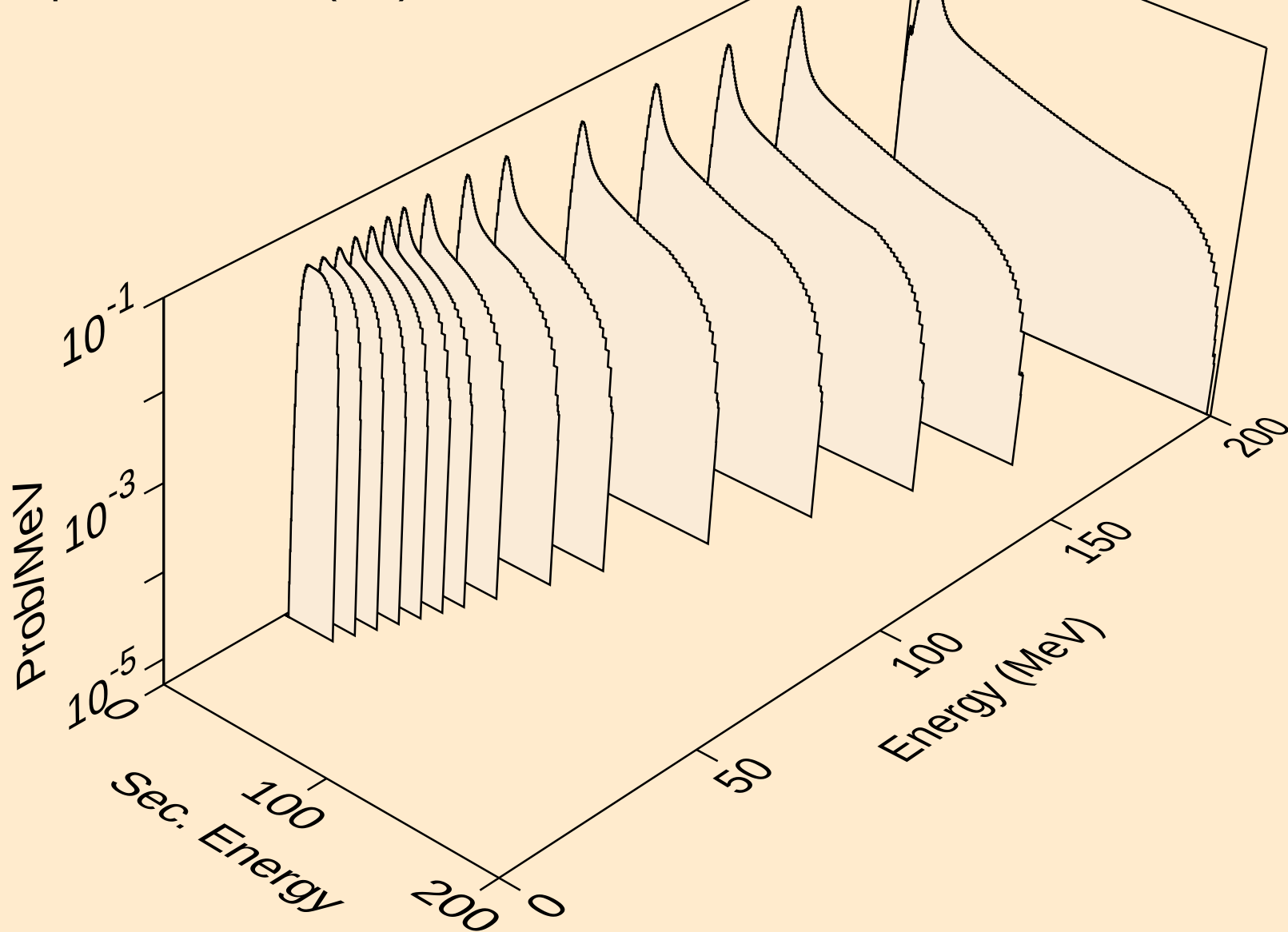
## Recoil Heating



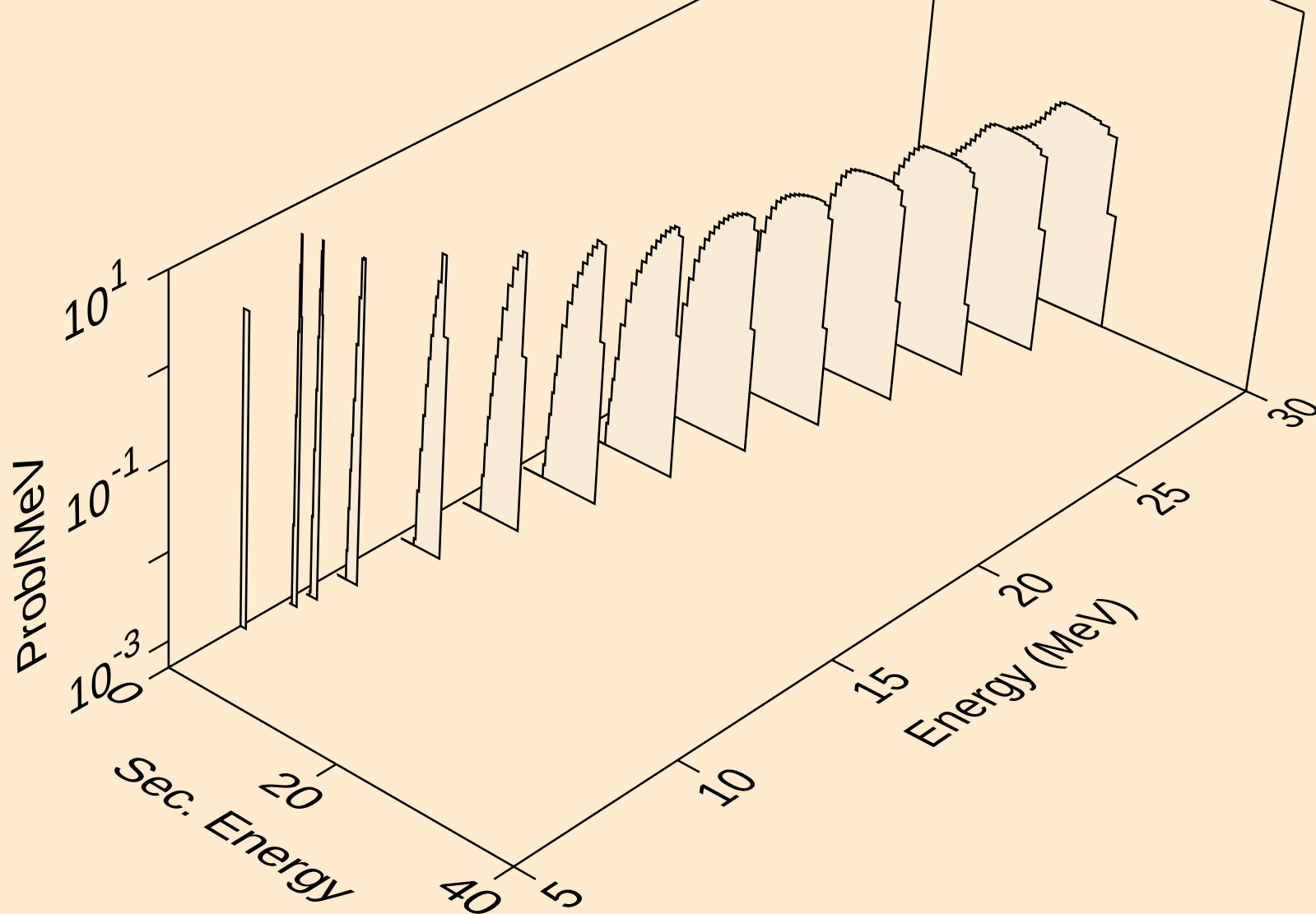
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



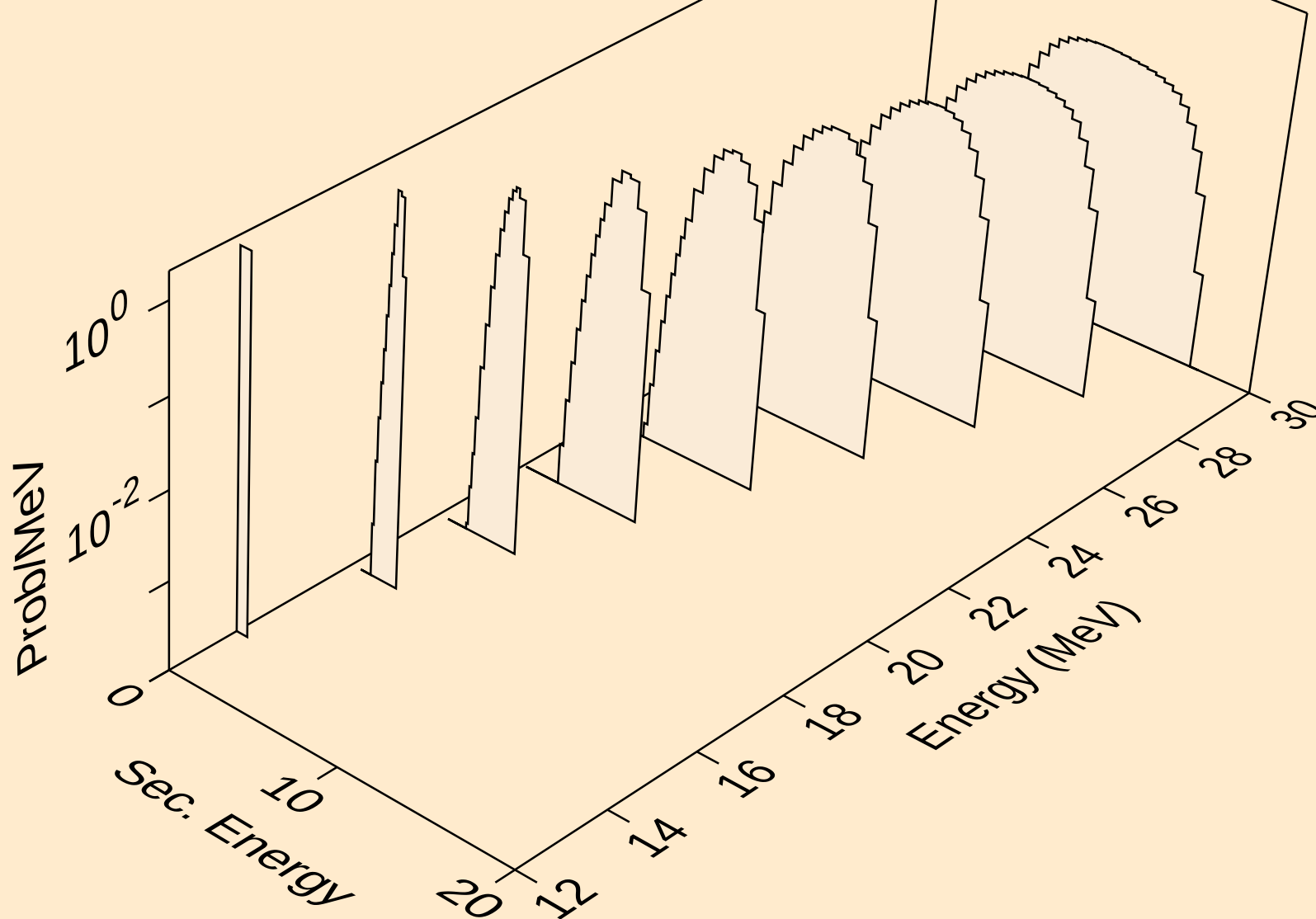
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



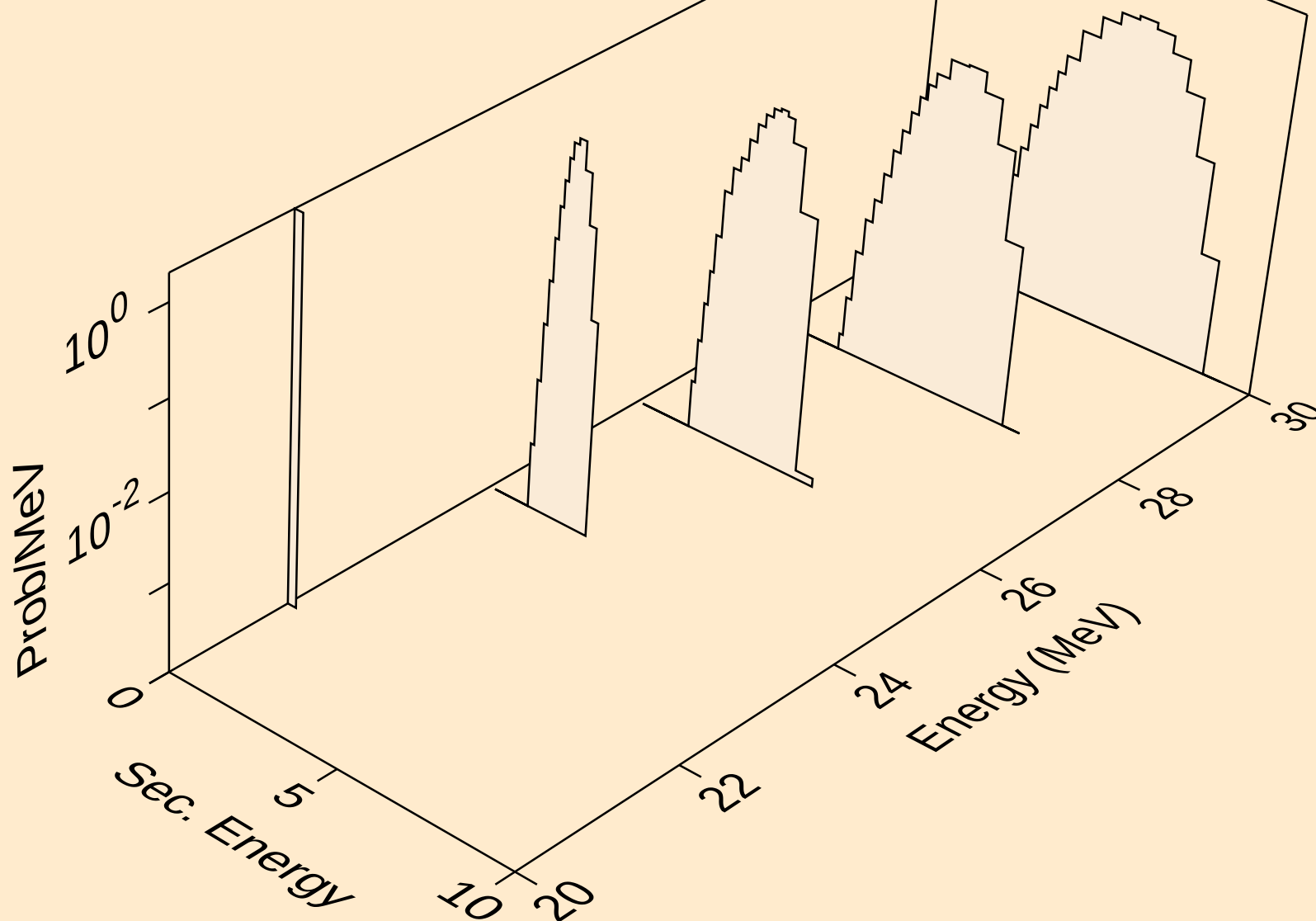
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



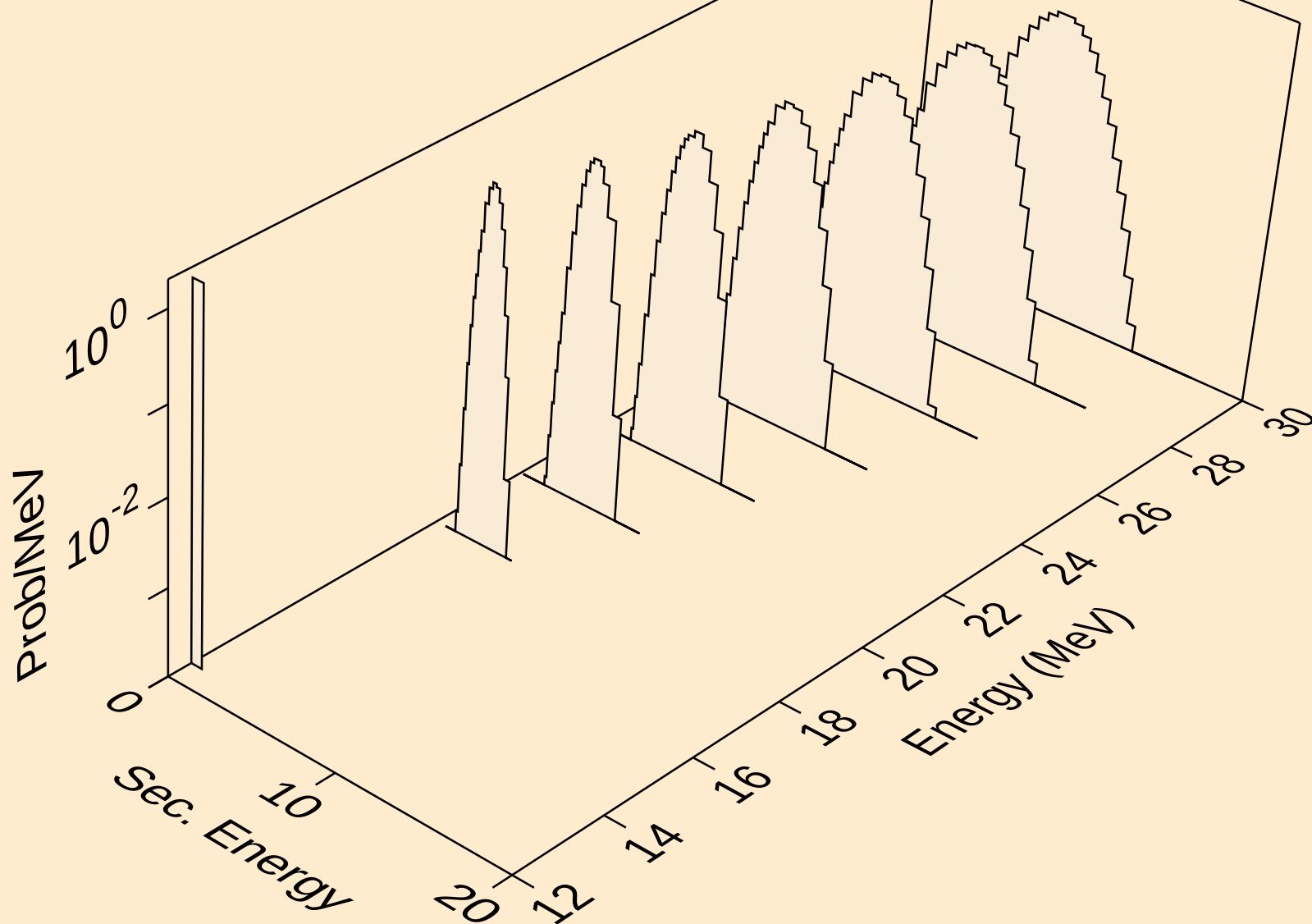
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



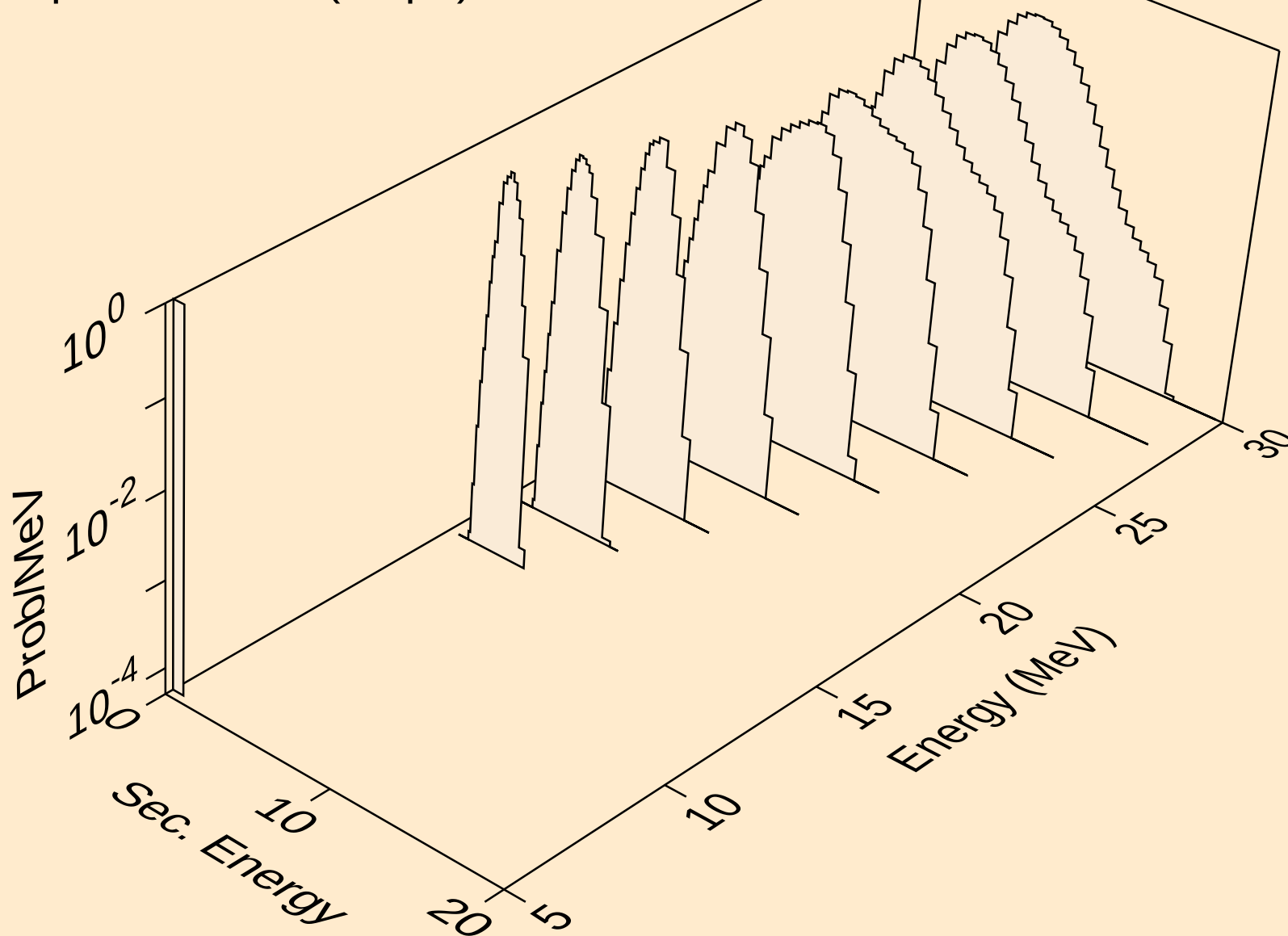
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



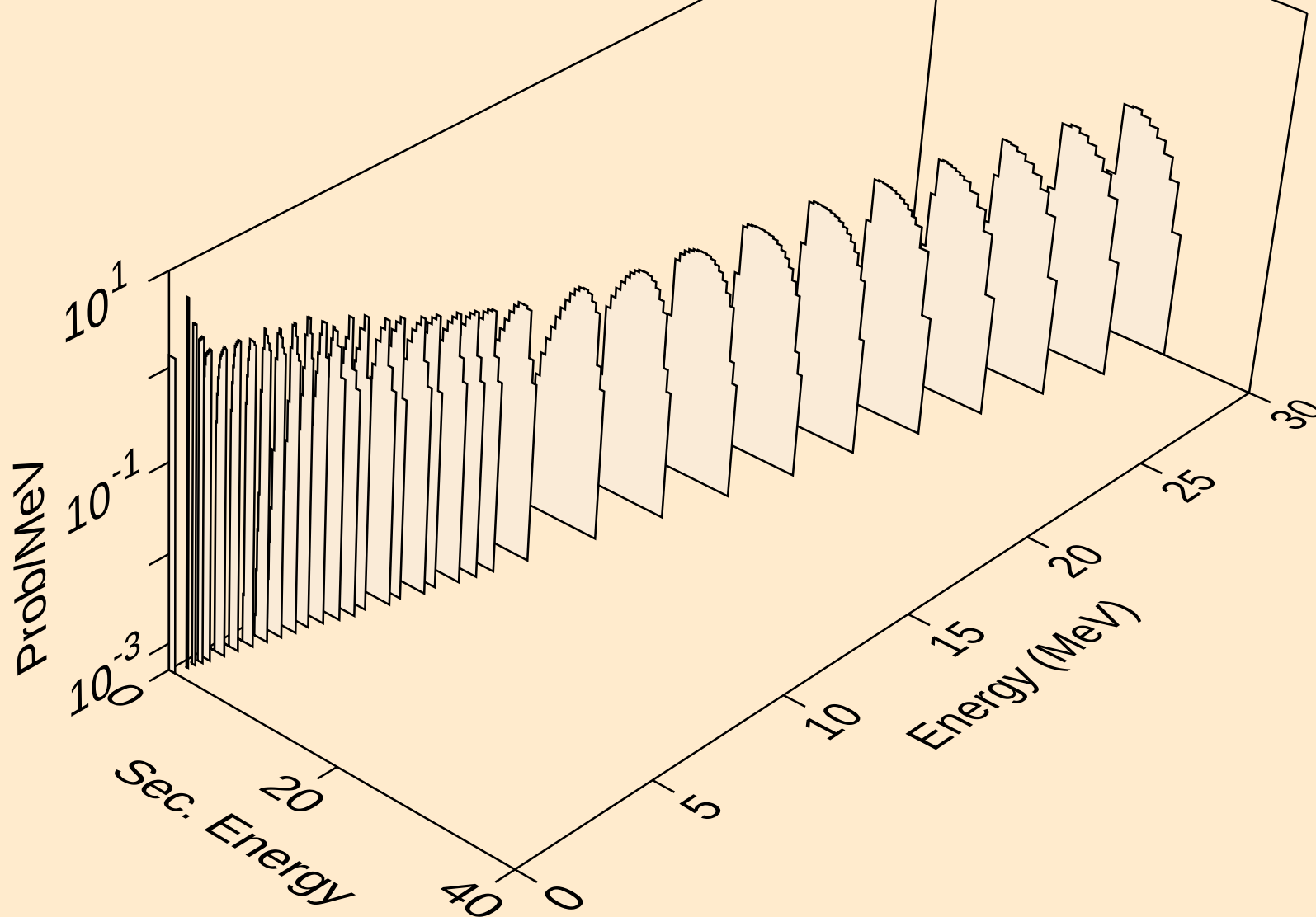
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)



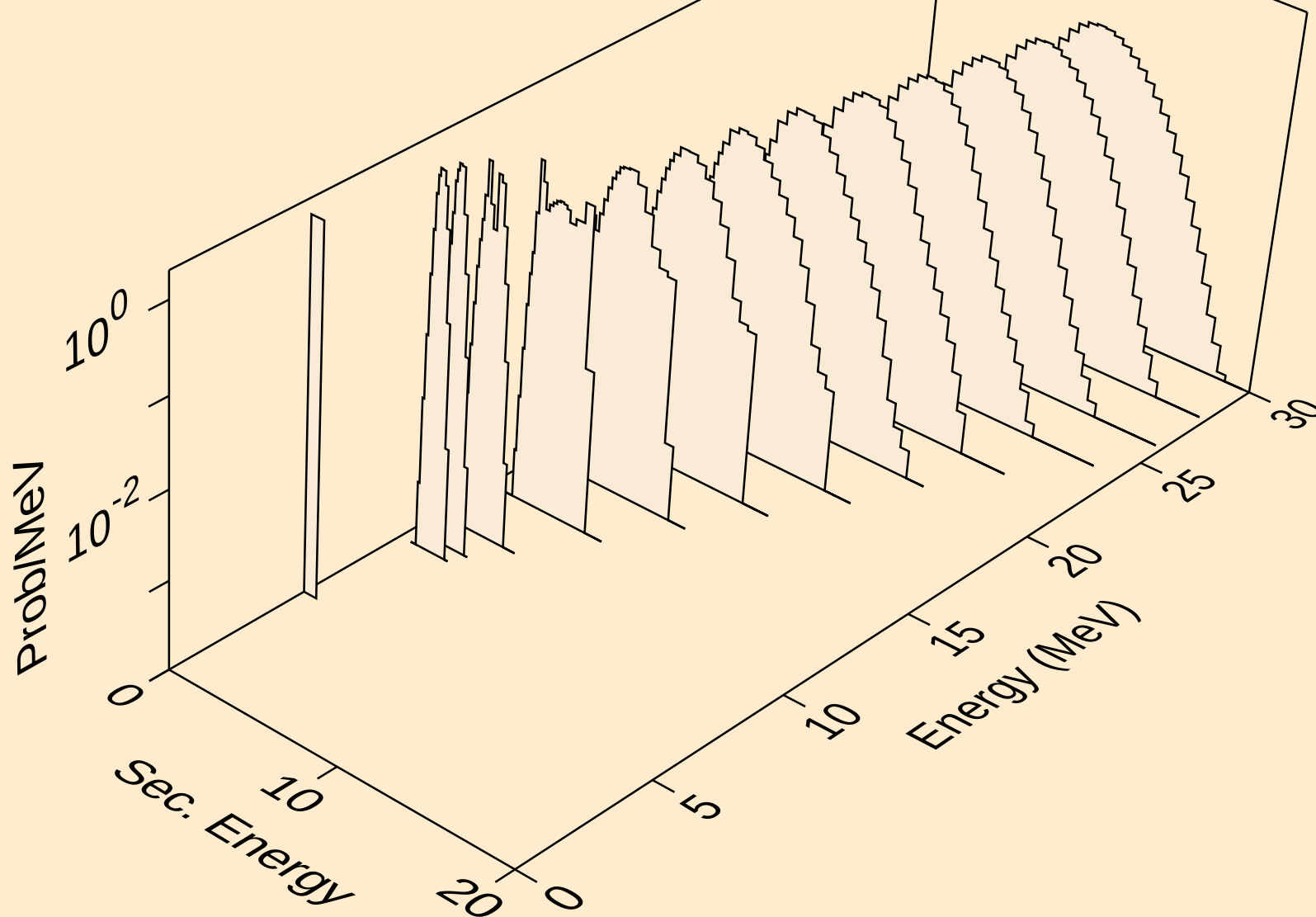
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)



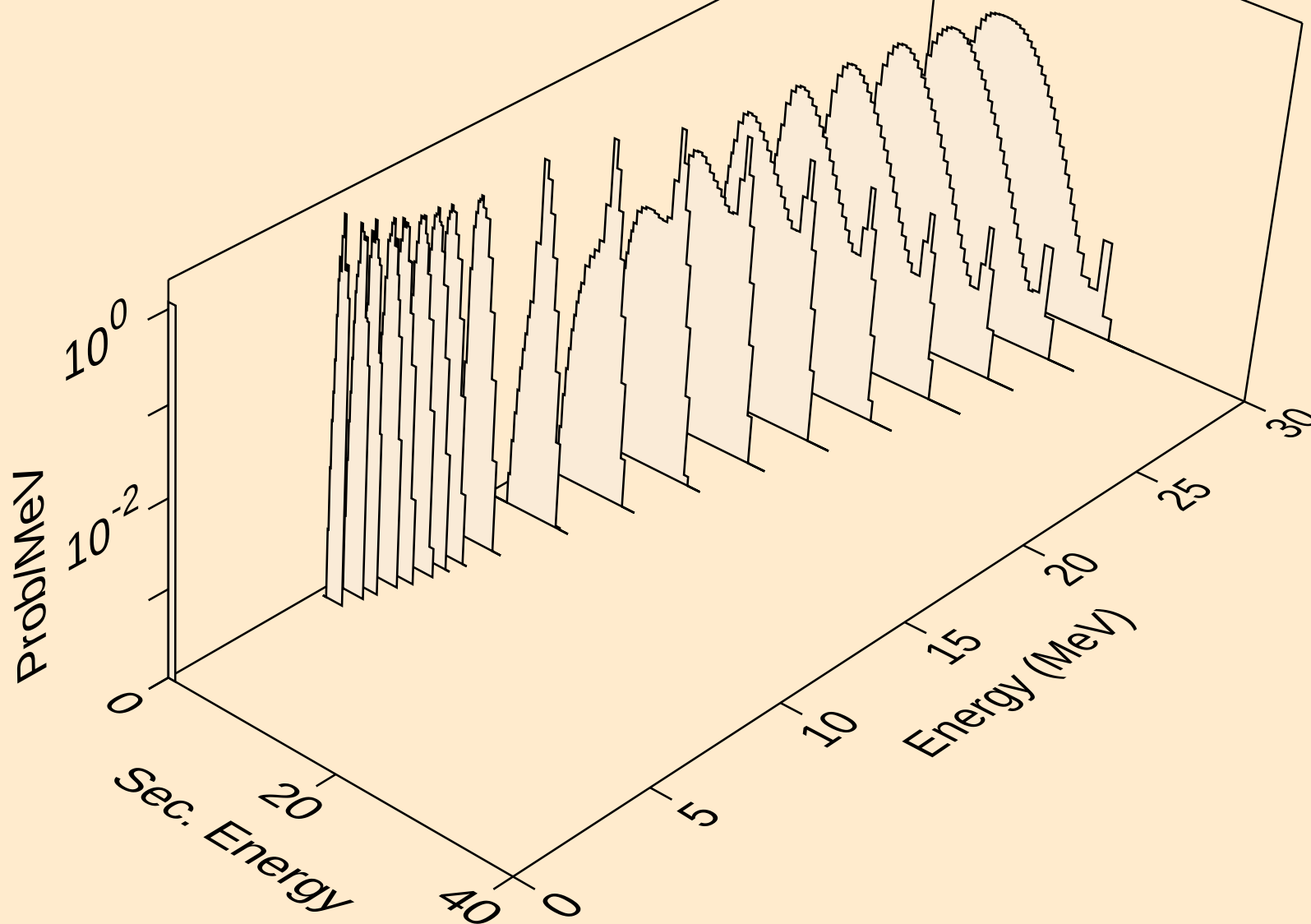
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



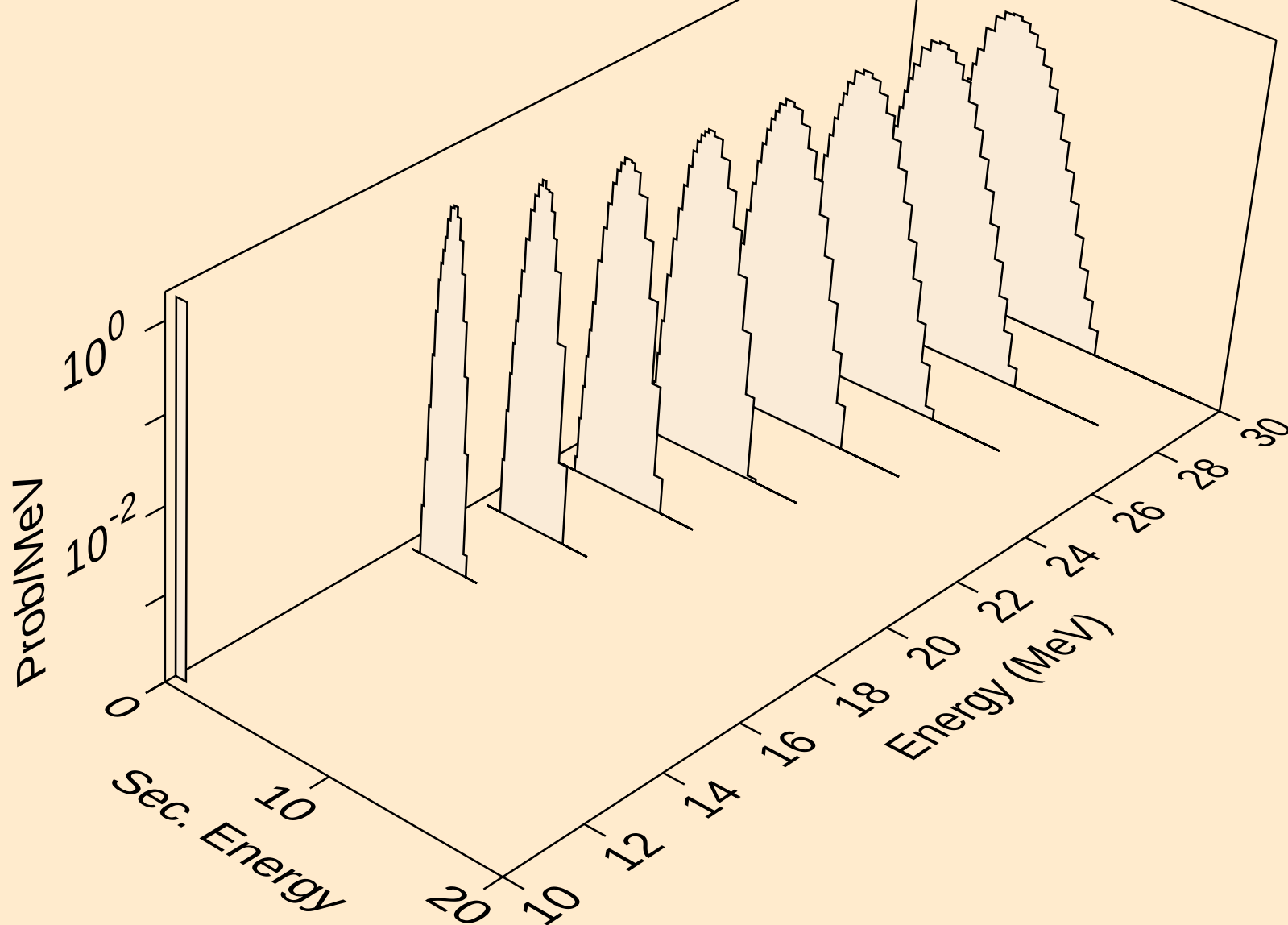
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



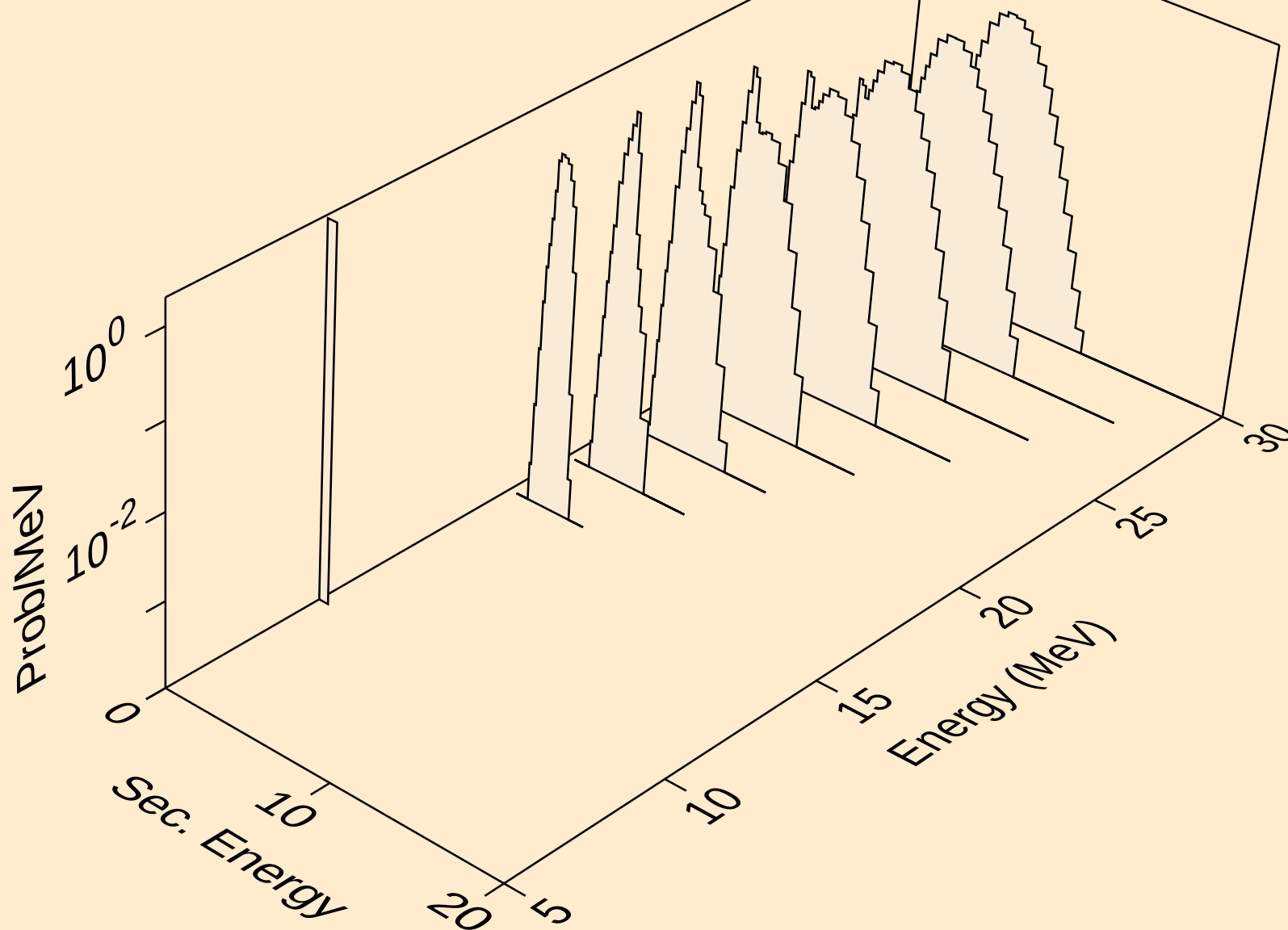
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



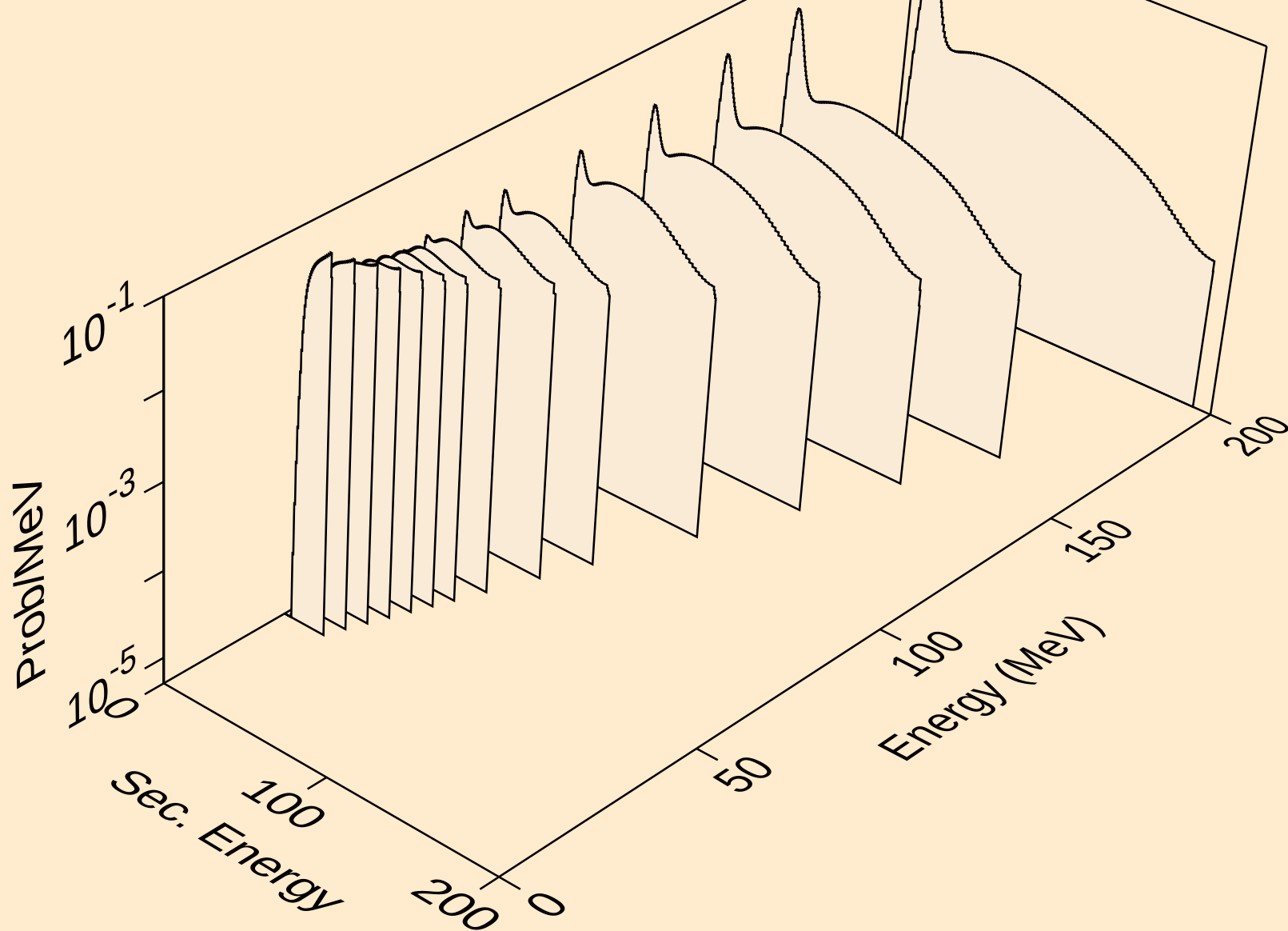
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



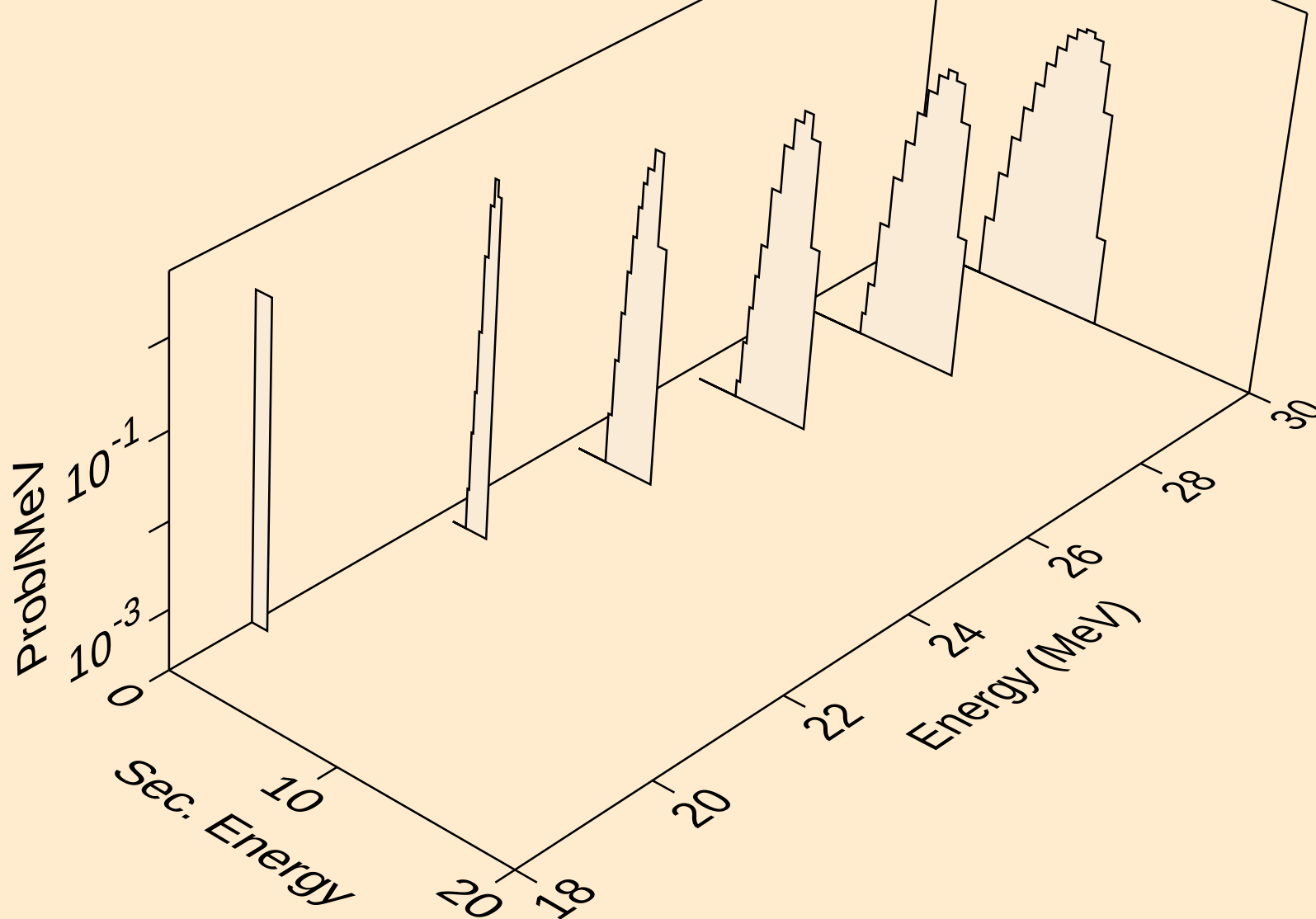
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)



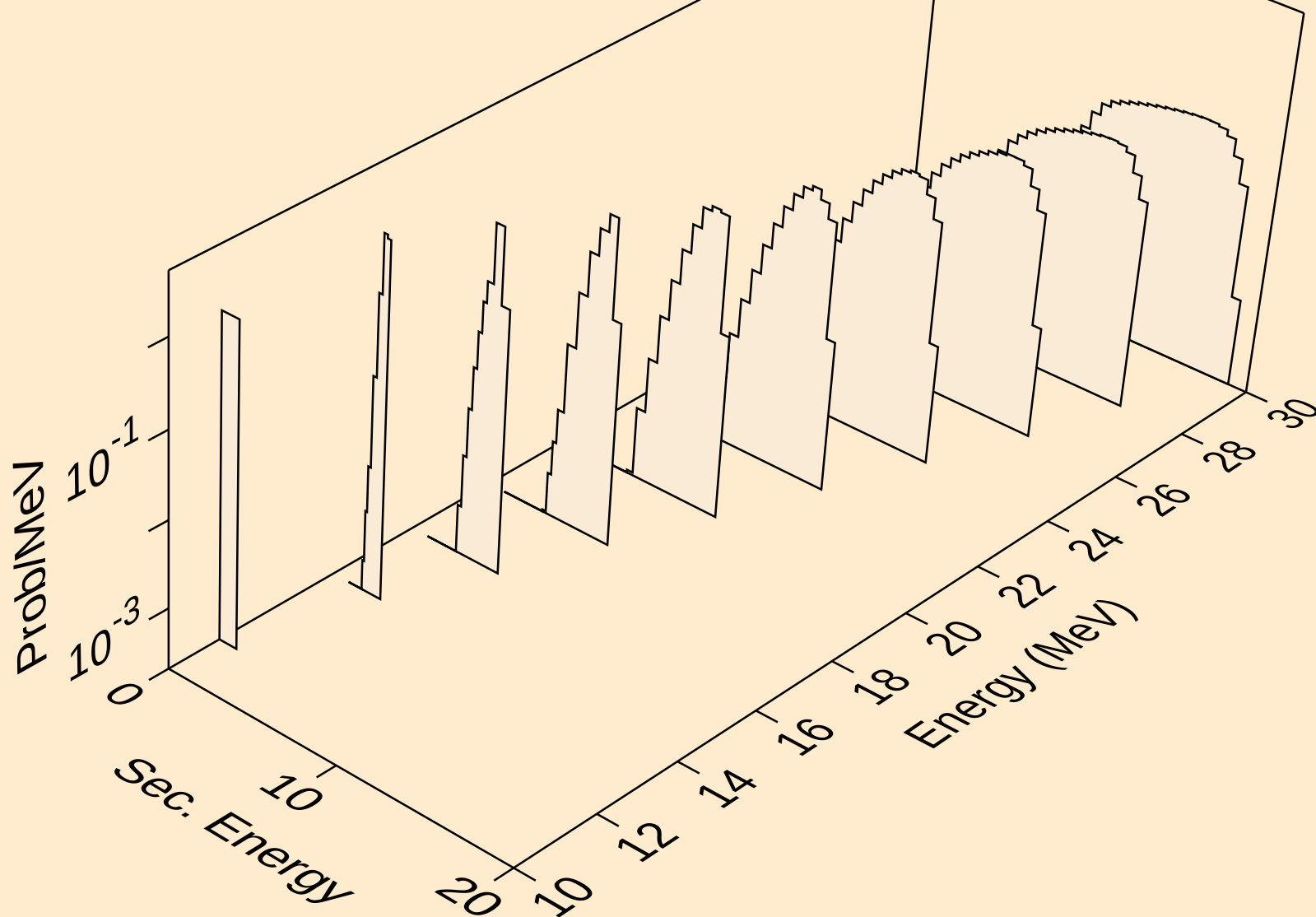
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



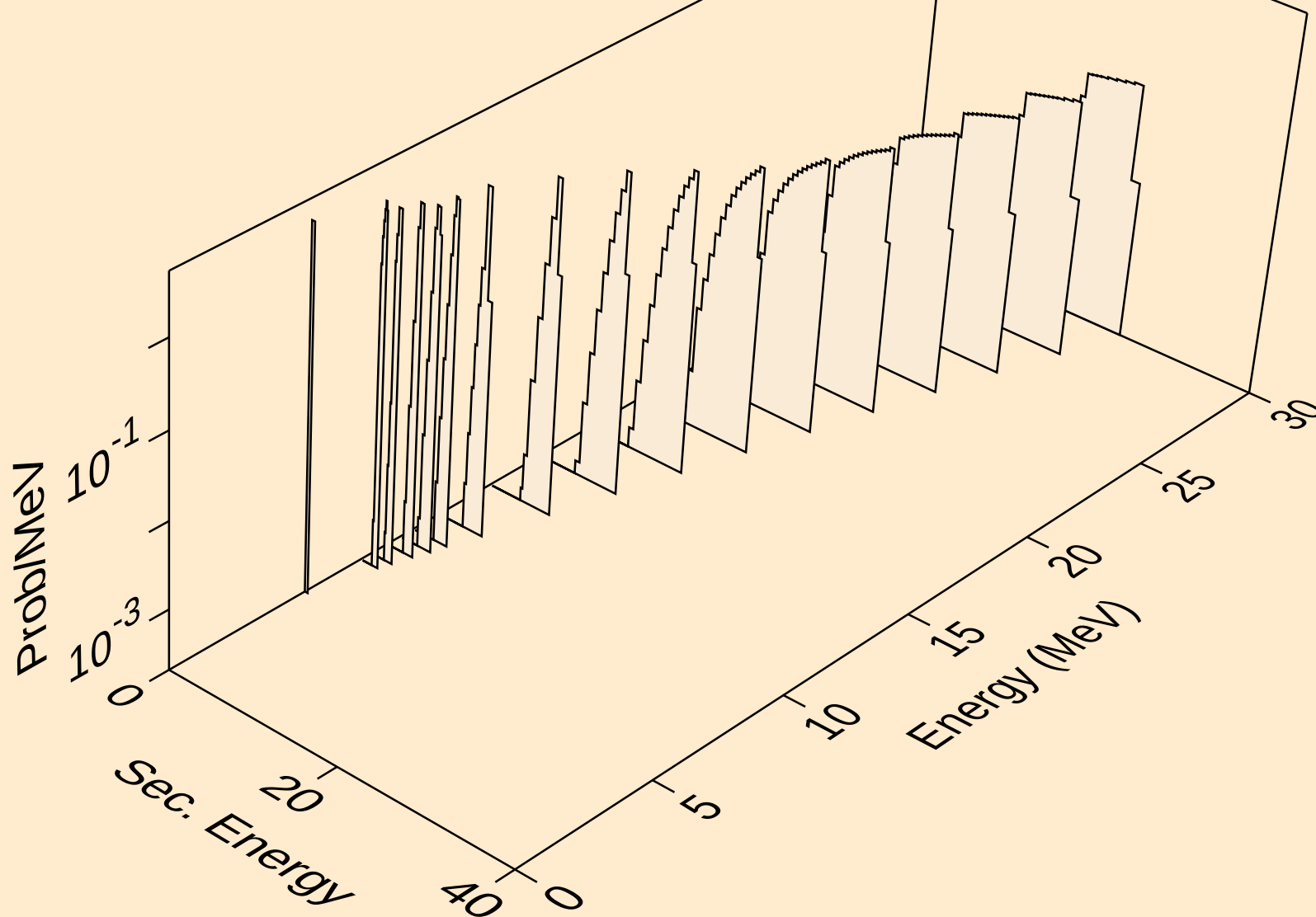
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



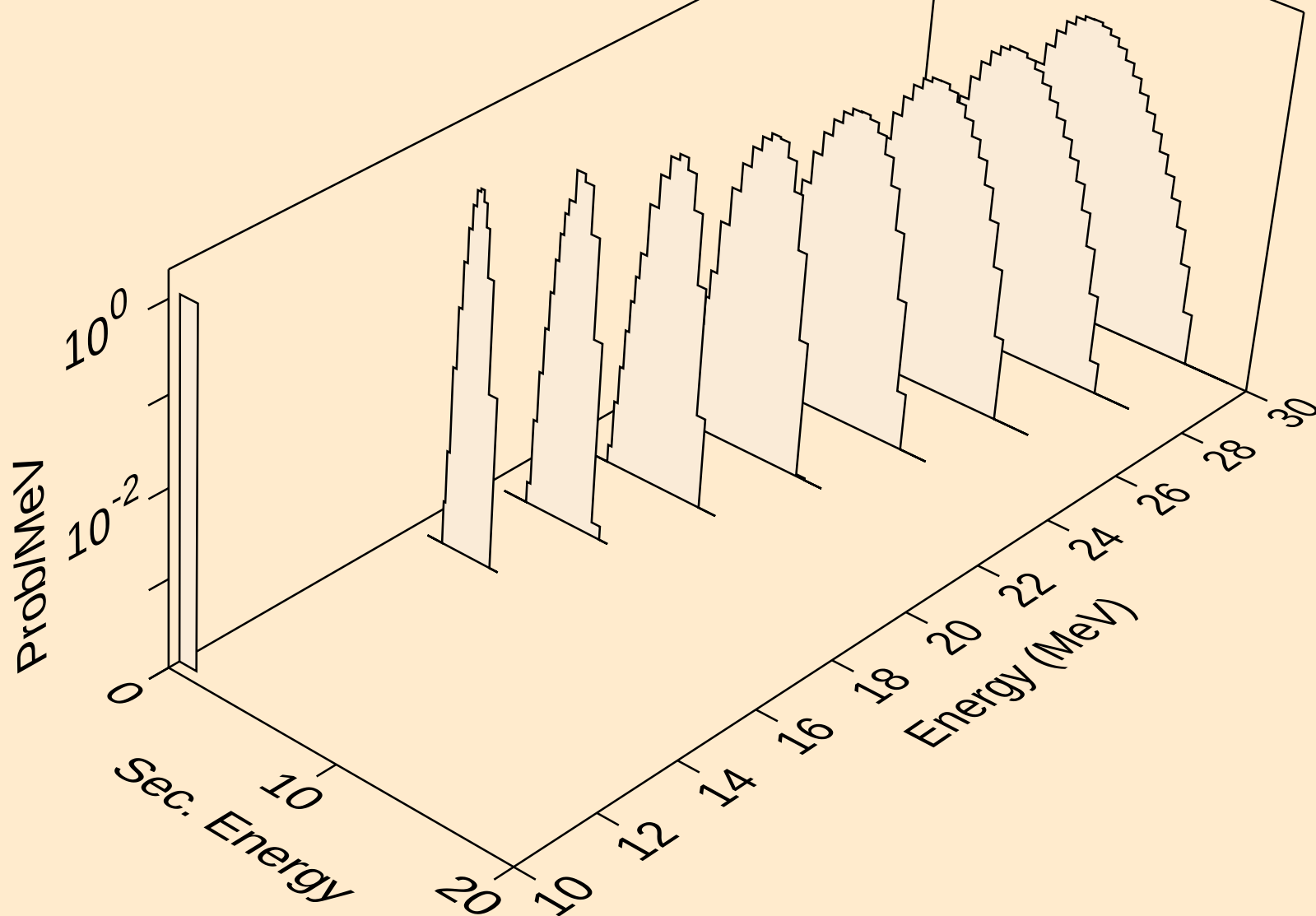
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



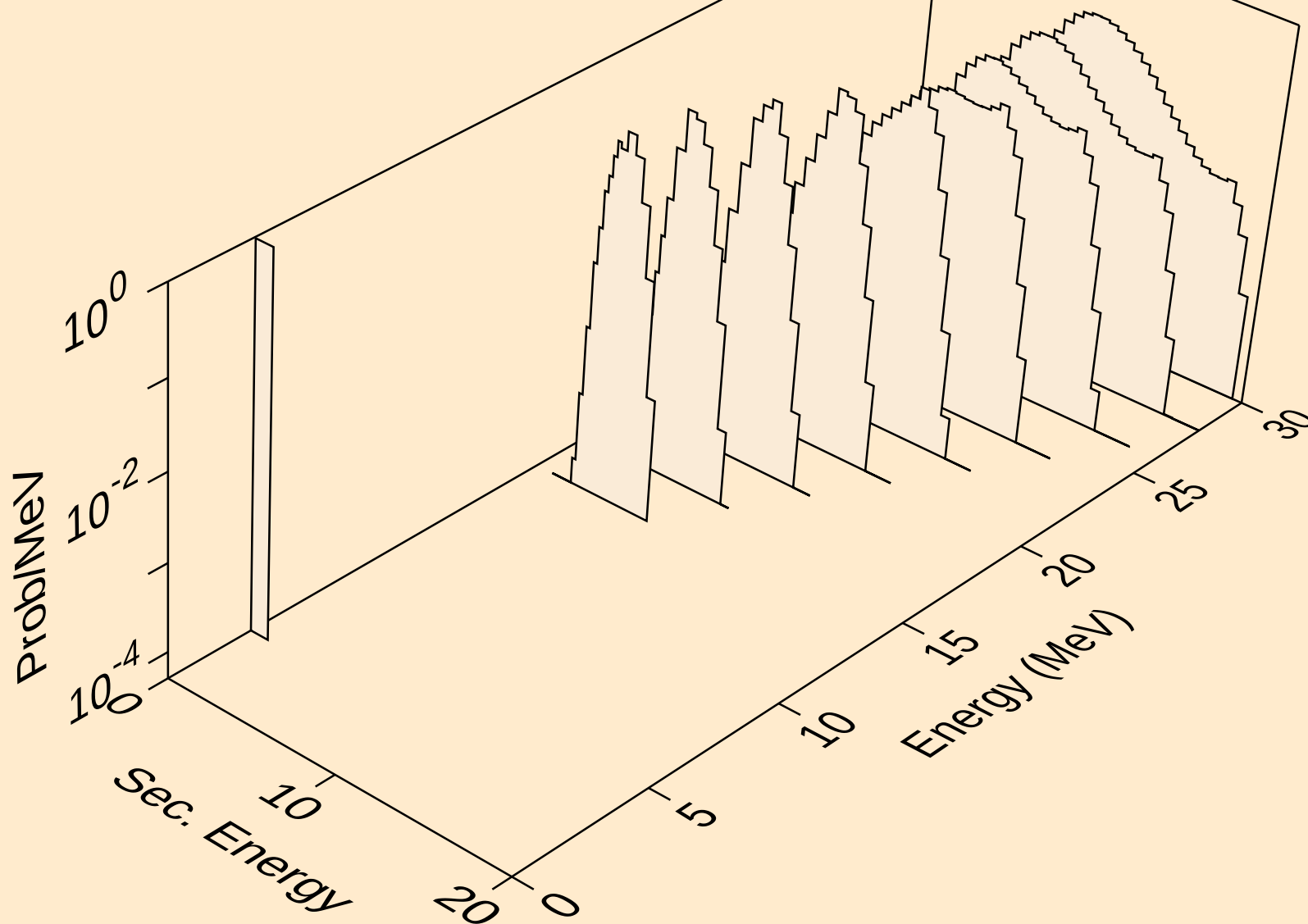
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



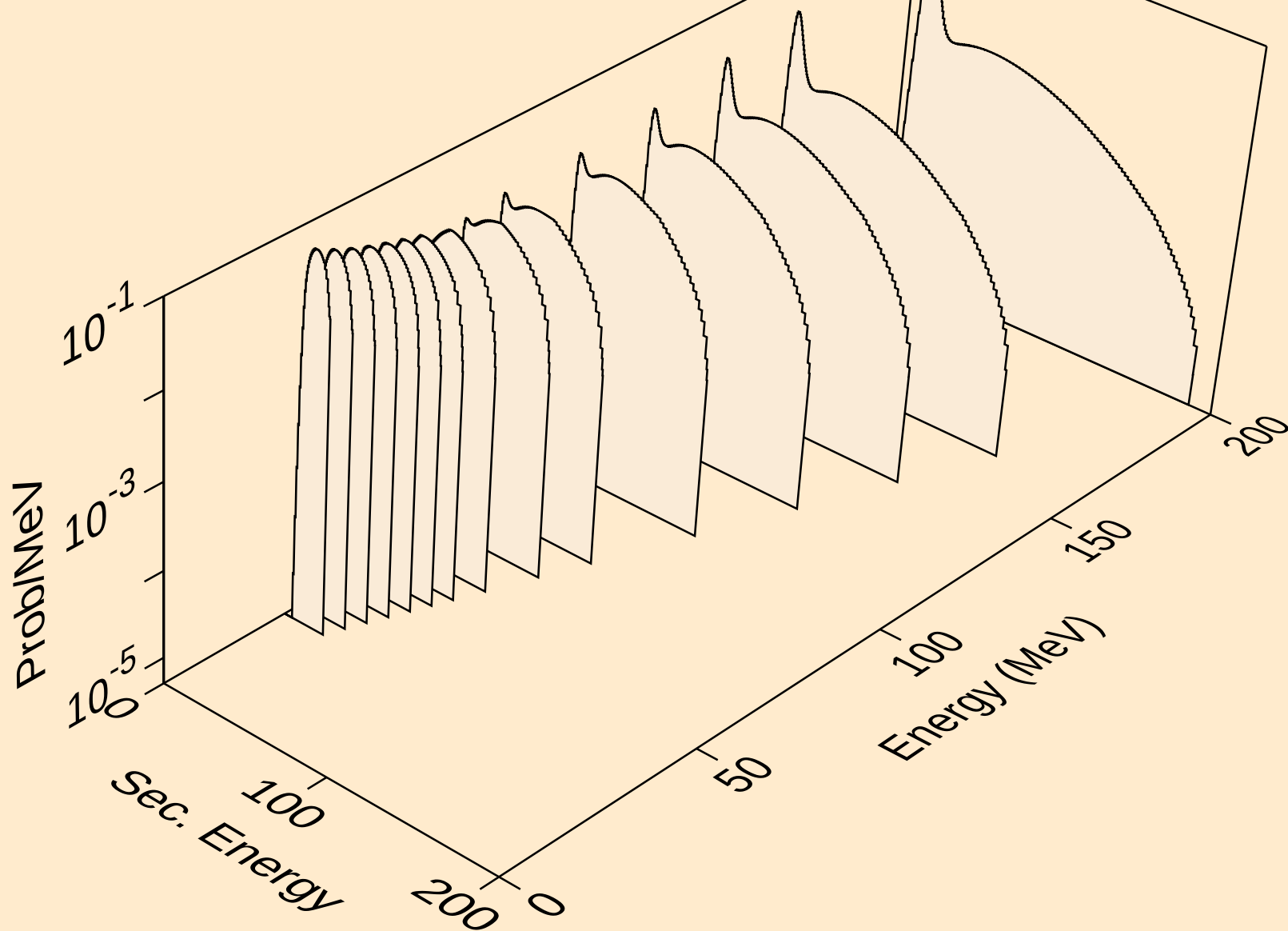
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



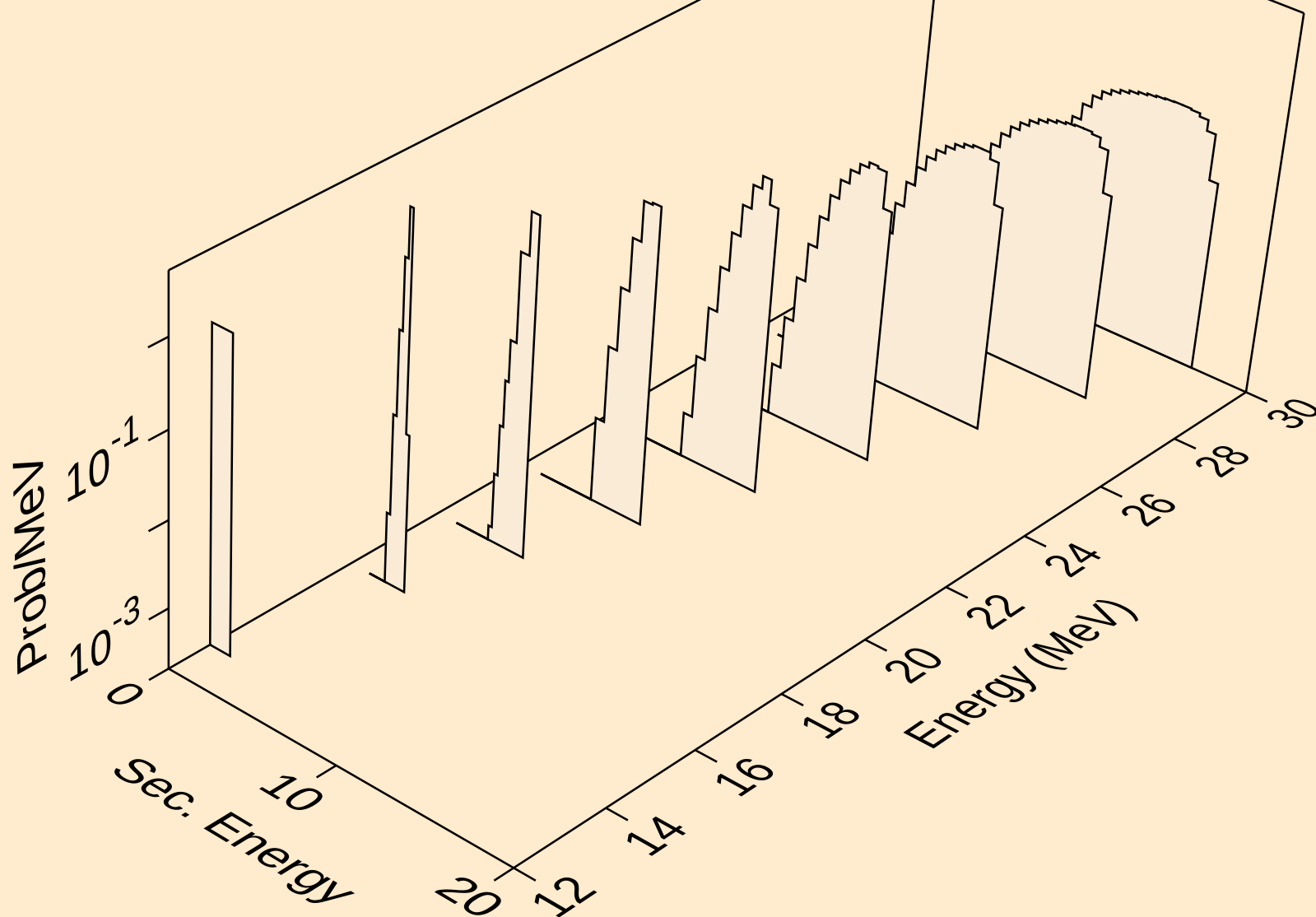
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



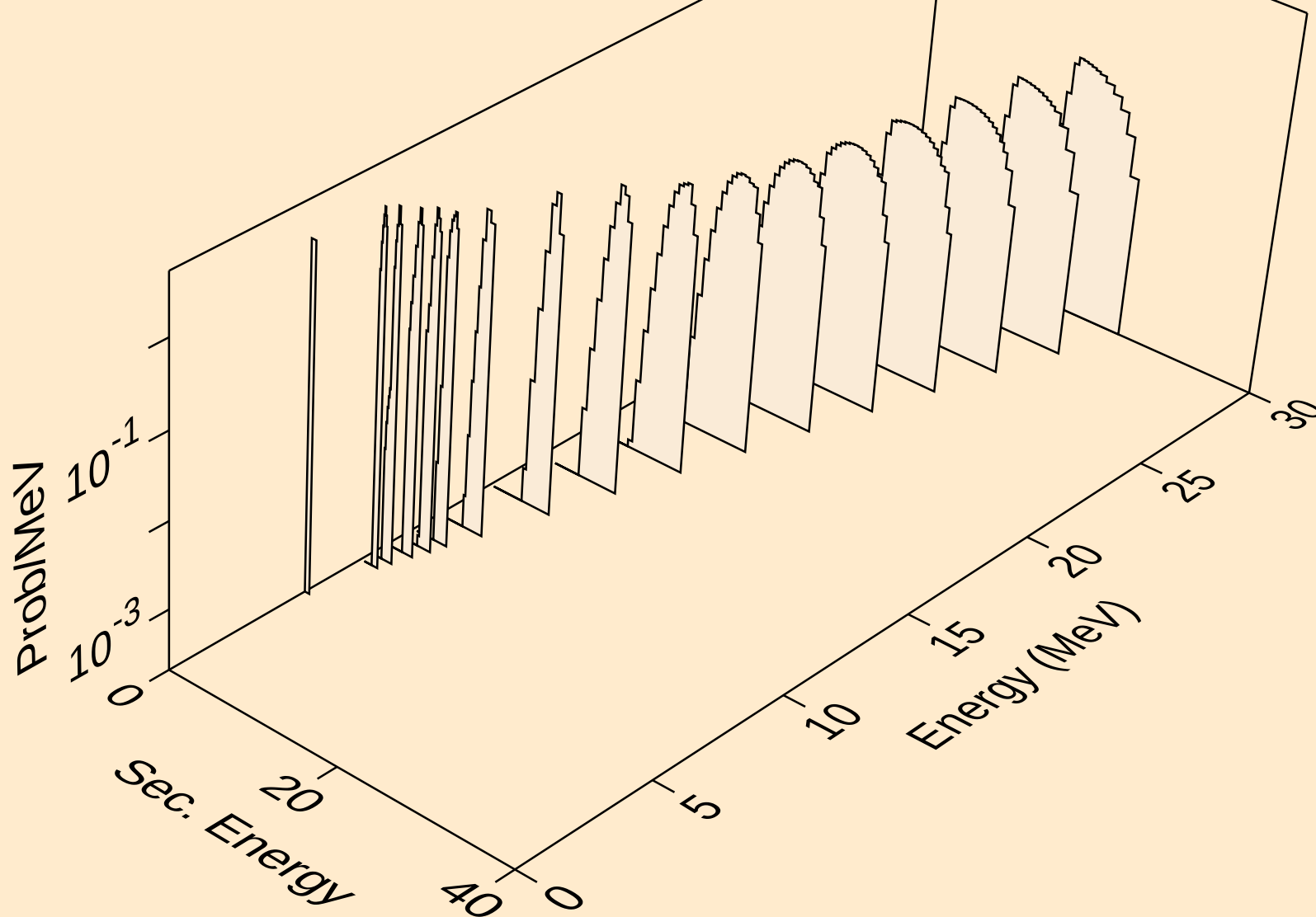
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



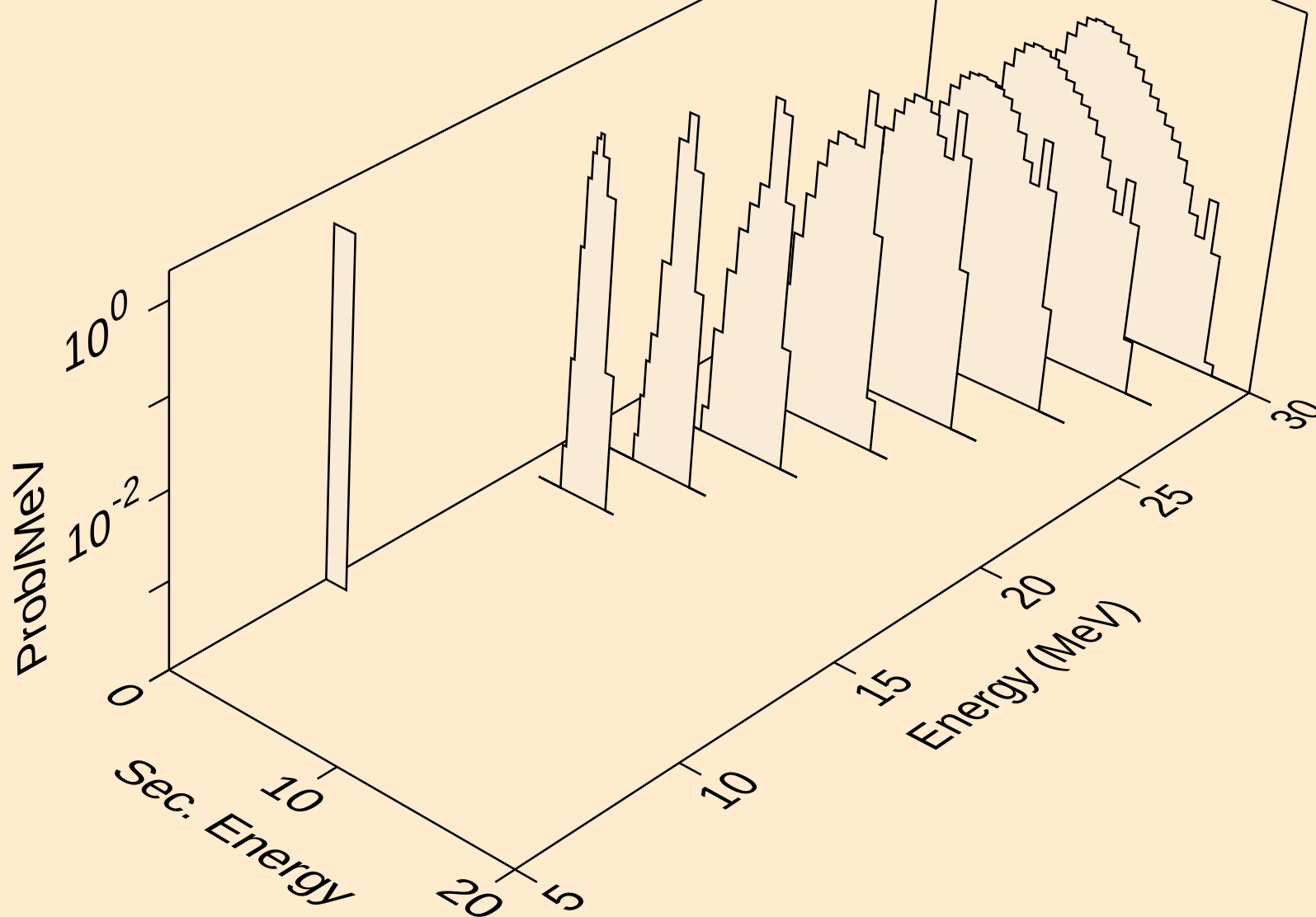
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



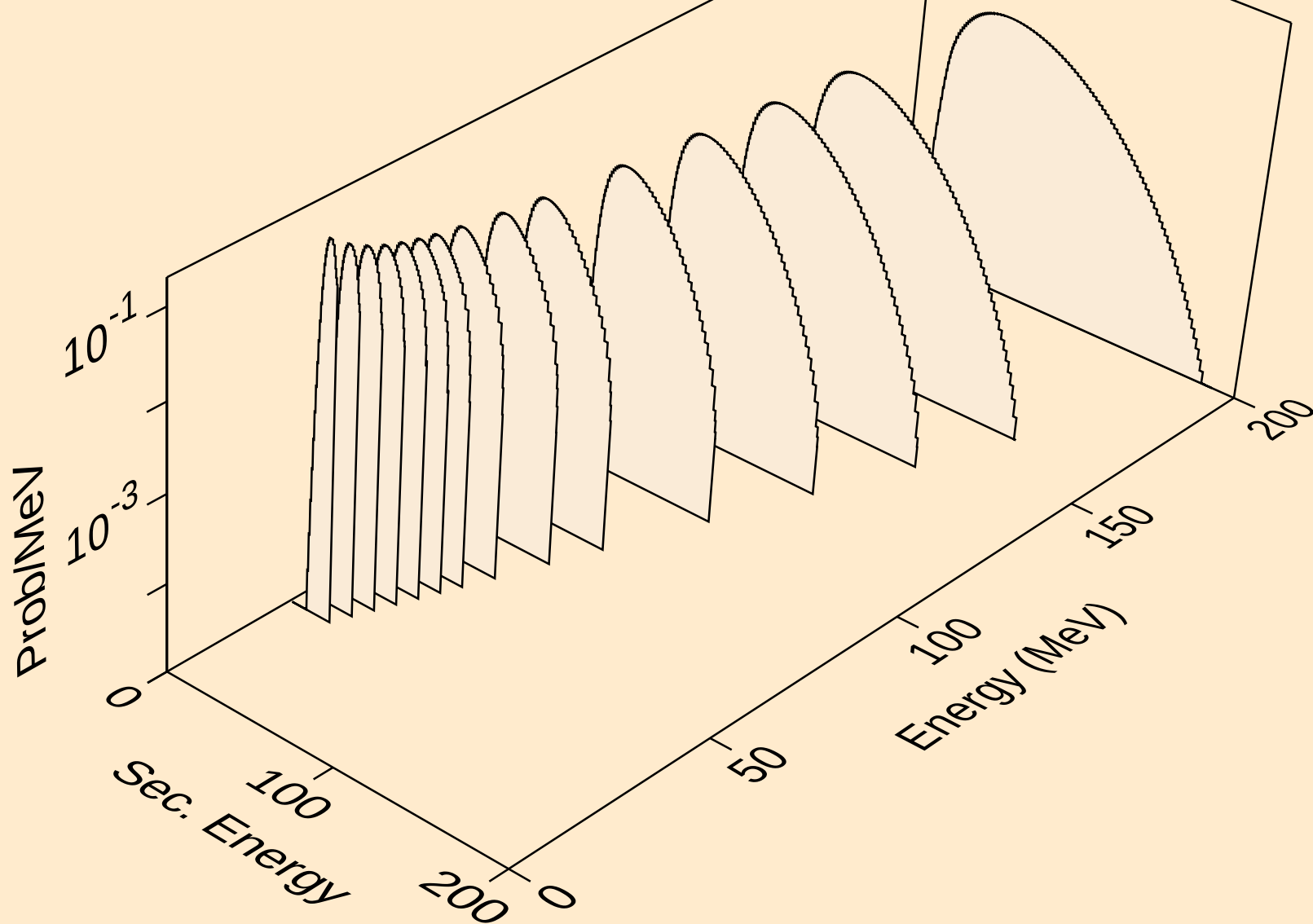
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



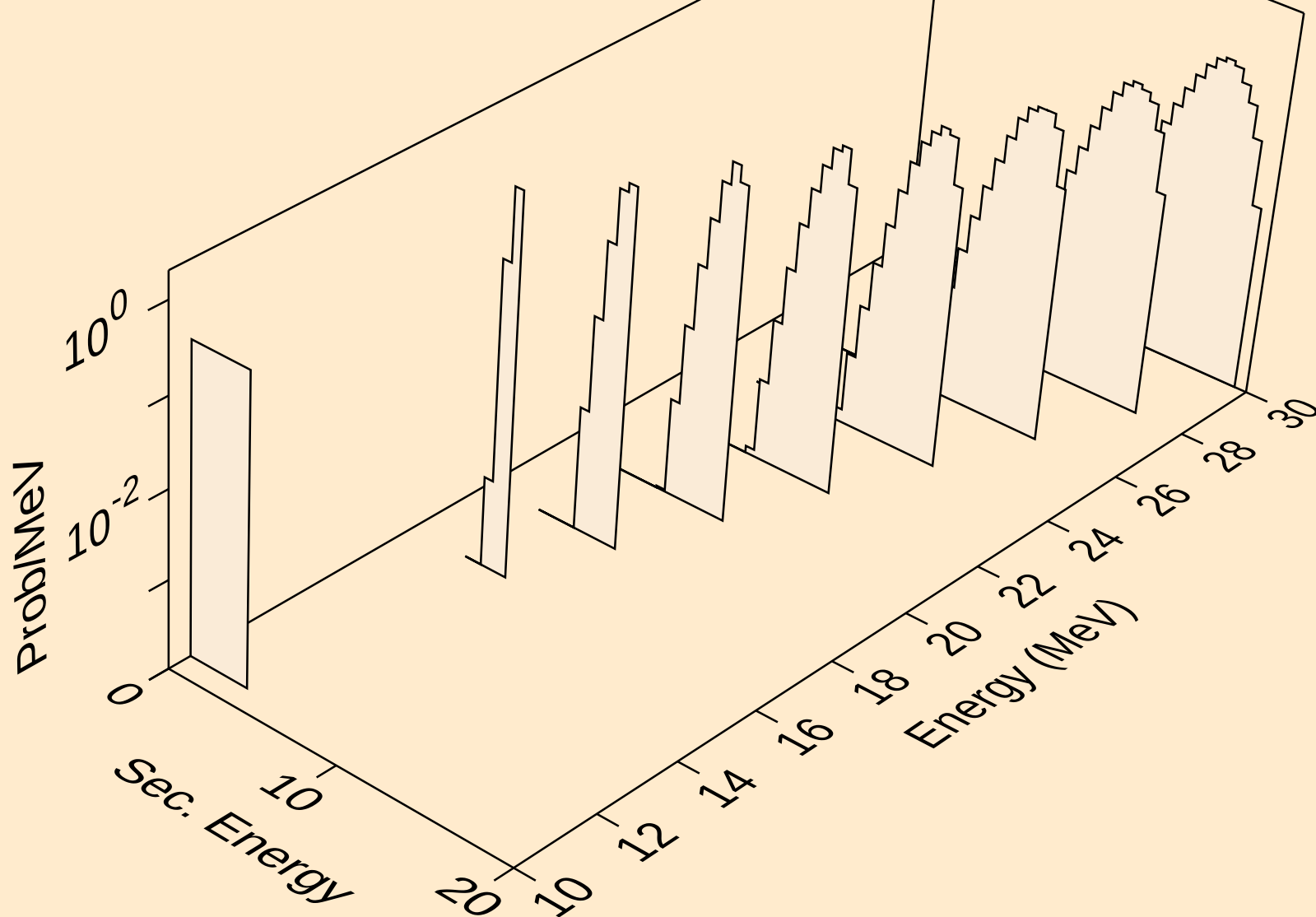
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



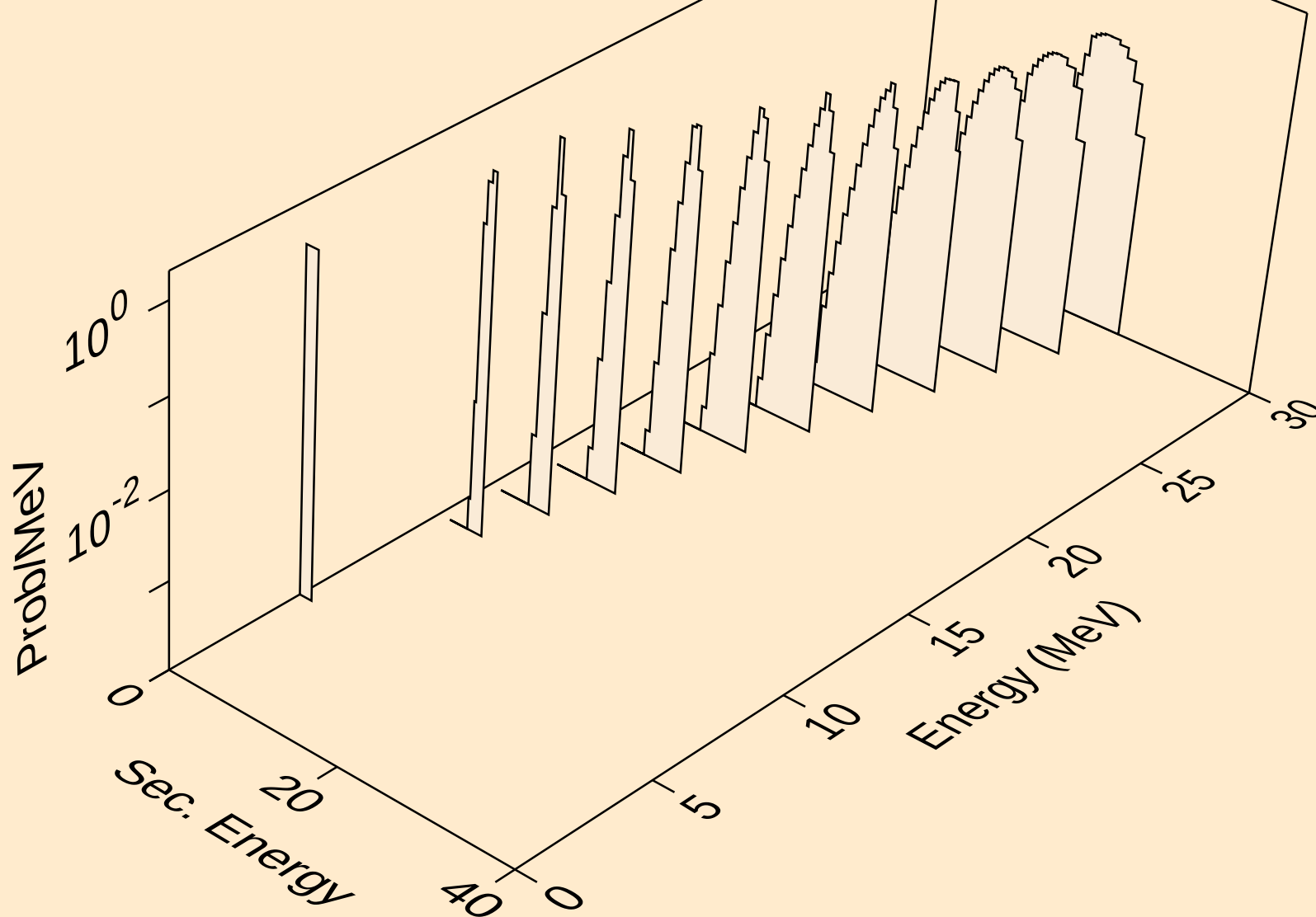
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



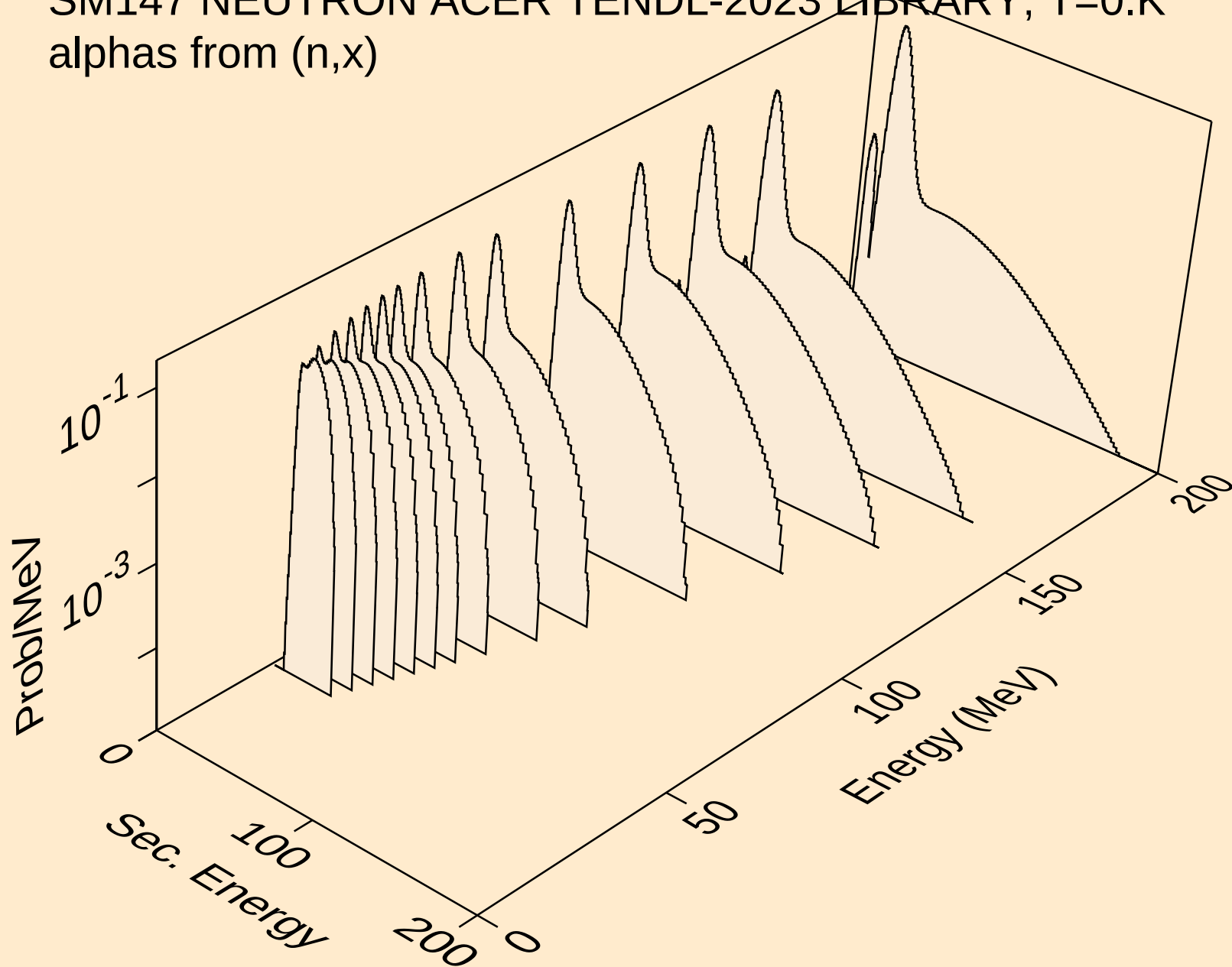
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3



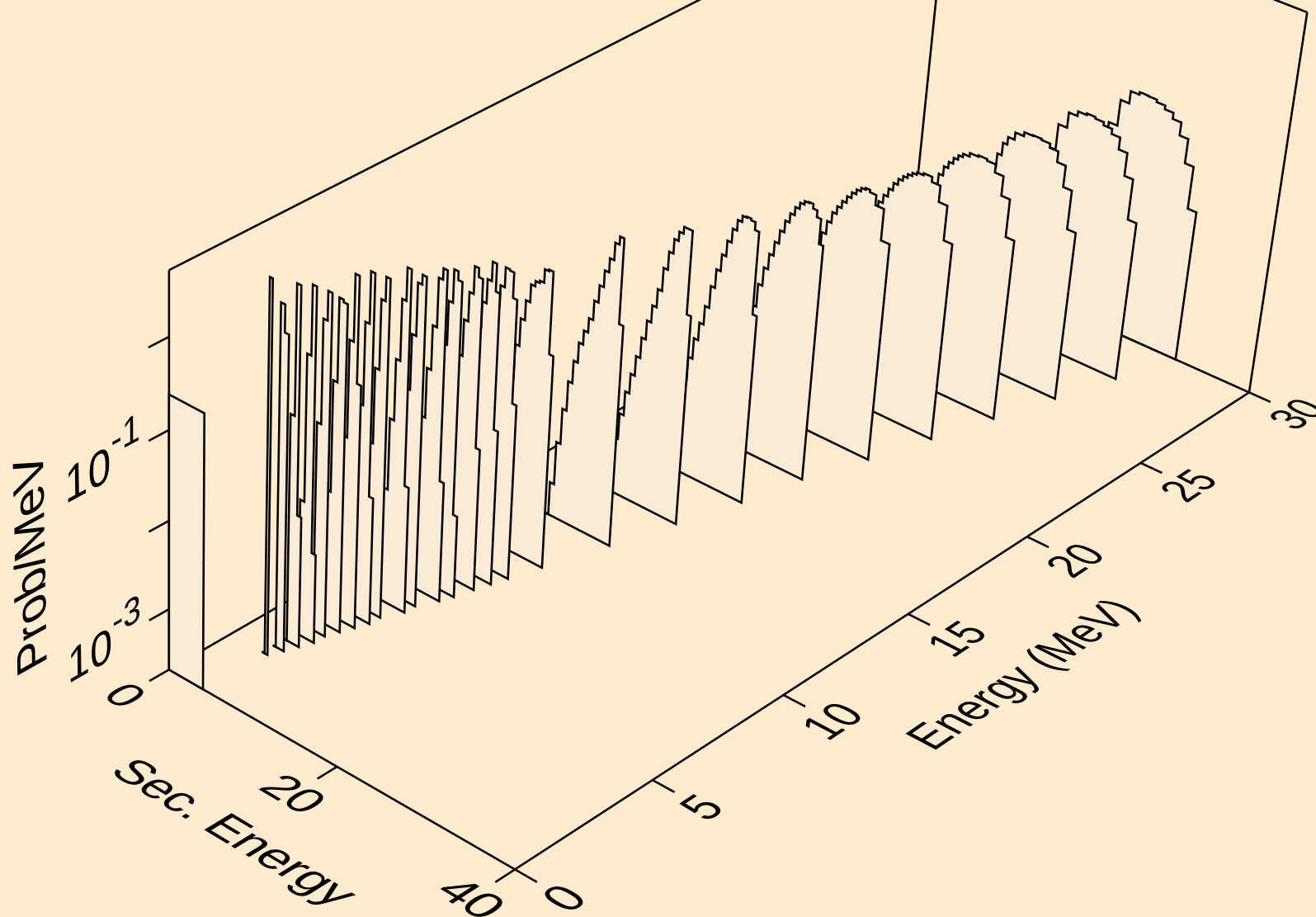
SM147 NEUTRON ACER TENDL-2023 LIBRARY;  $T=0.K$   
he3s from (n,he3)



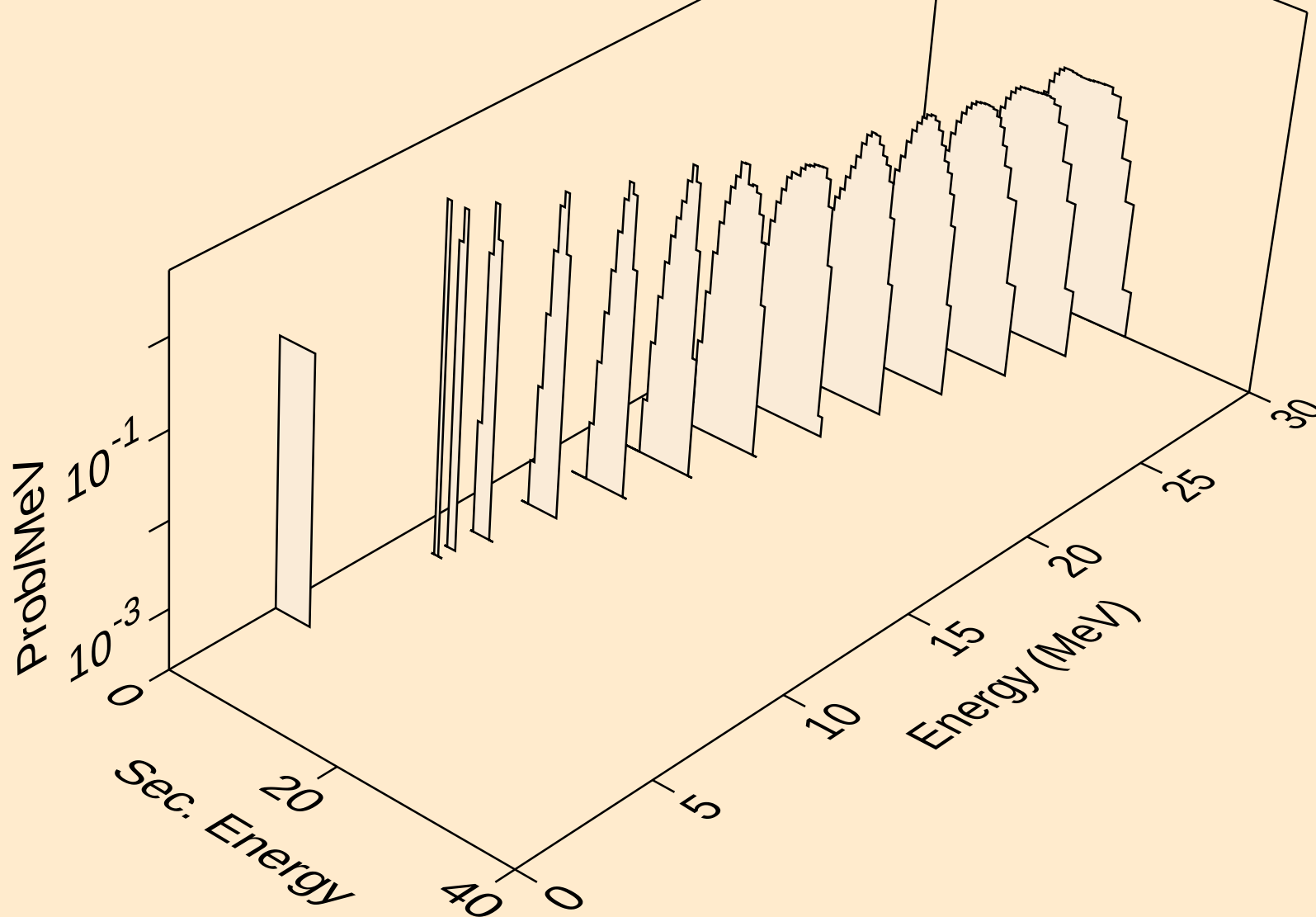
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



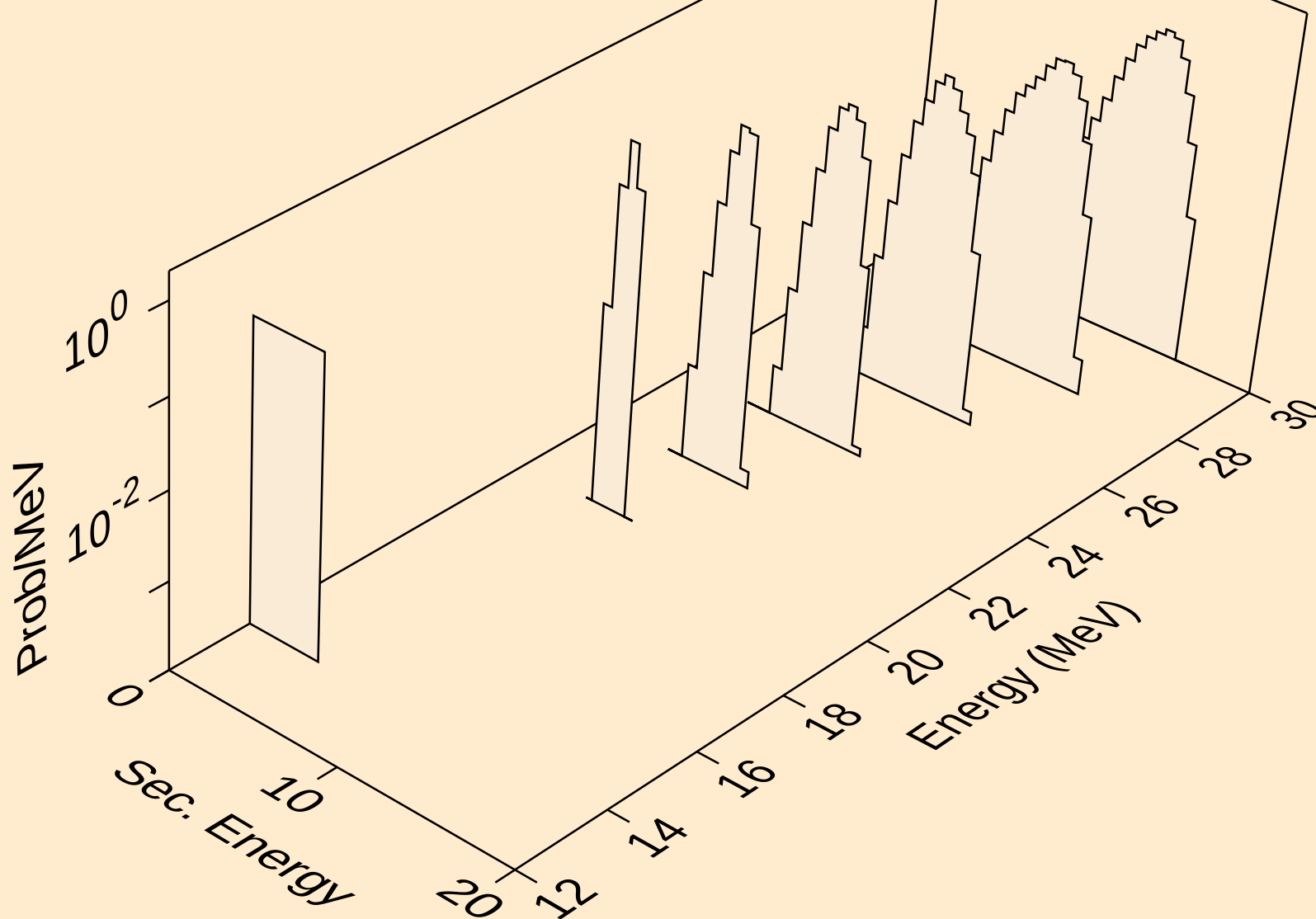
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



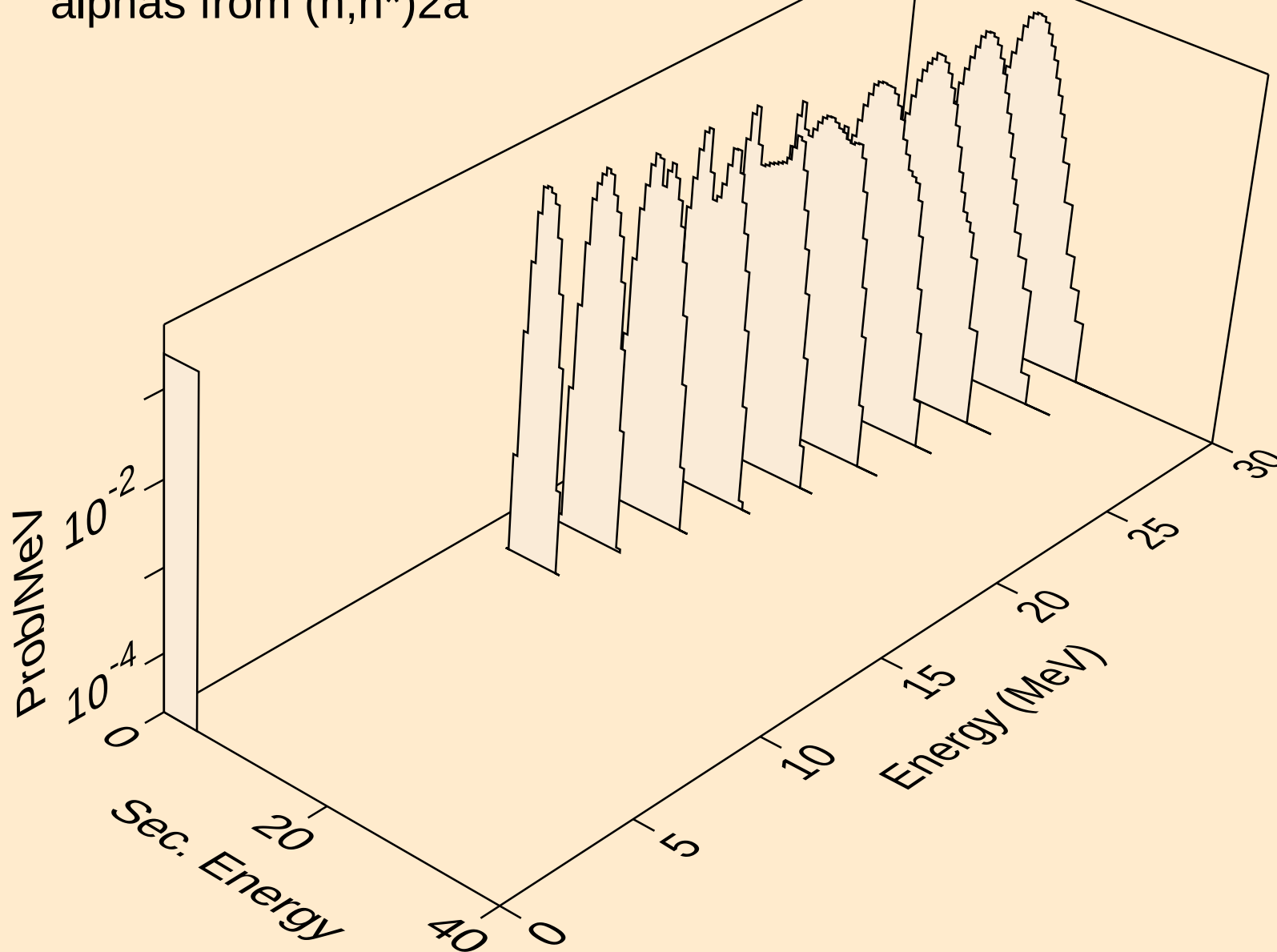
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



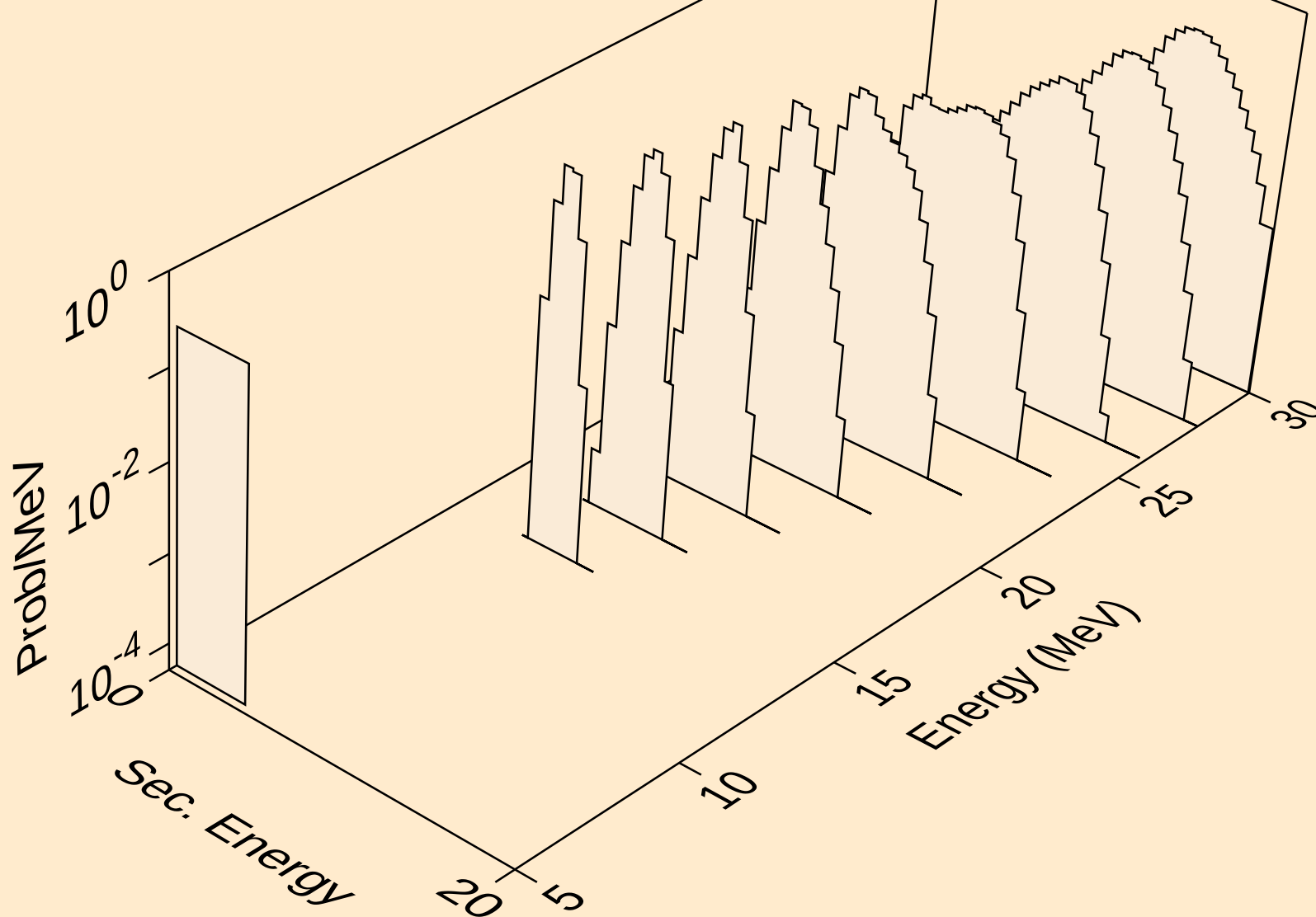
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



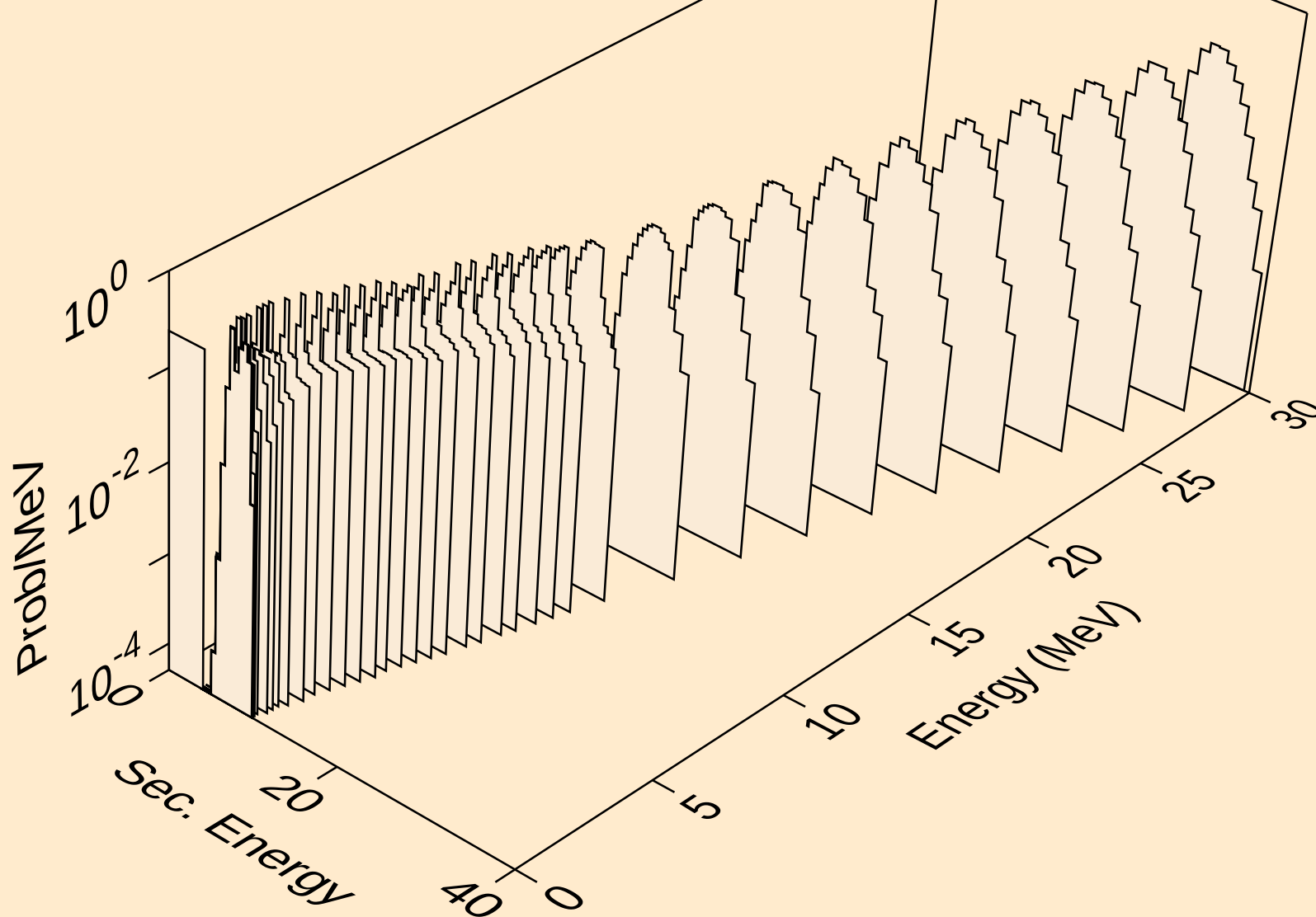
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



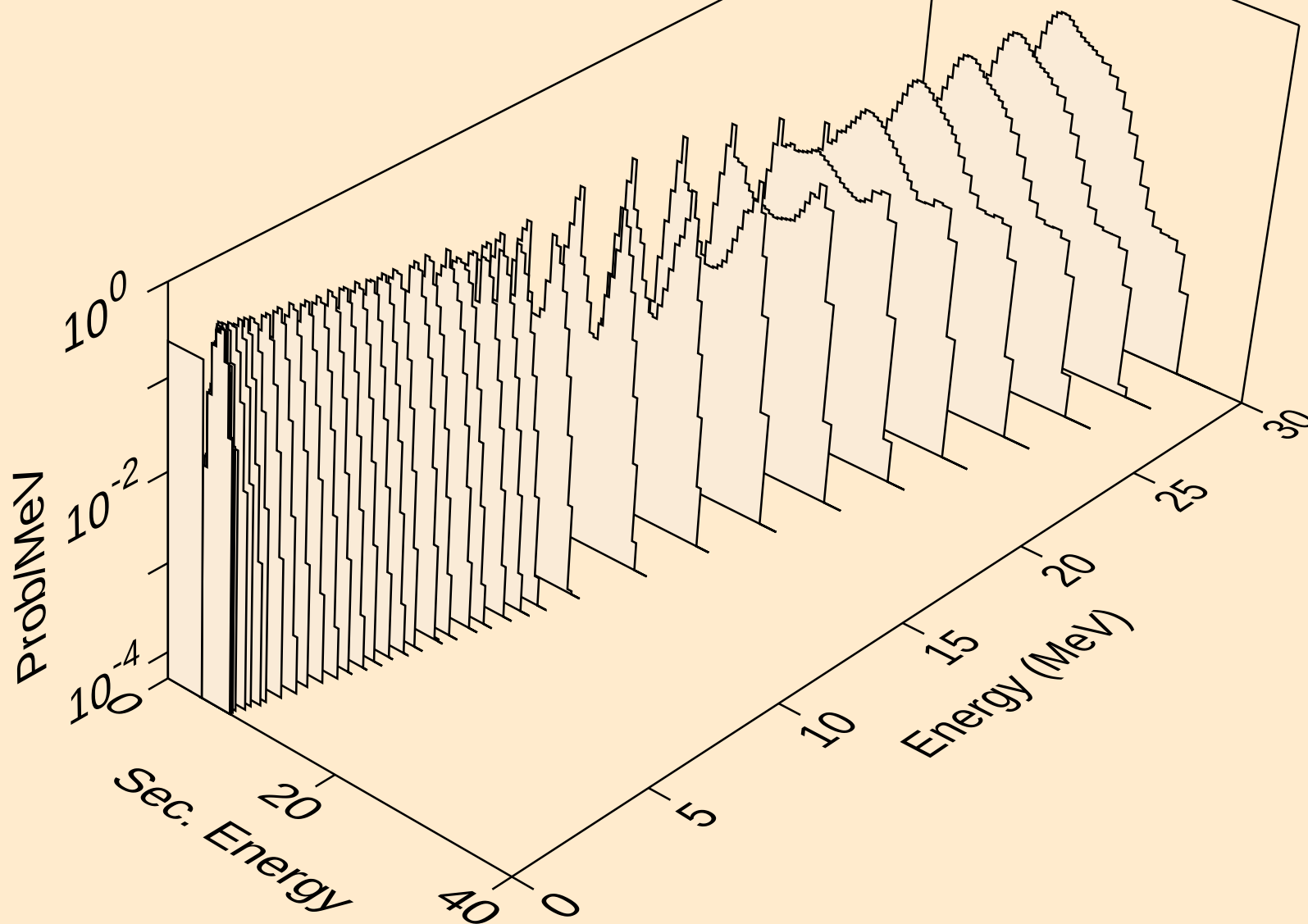
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



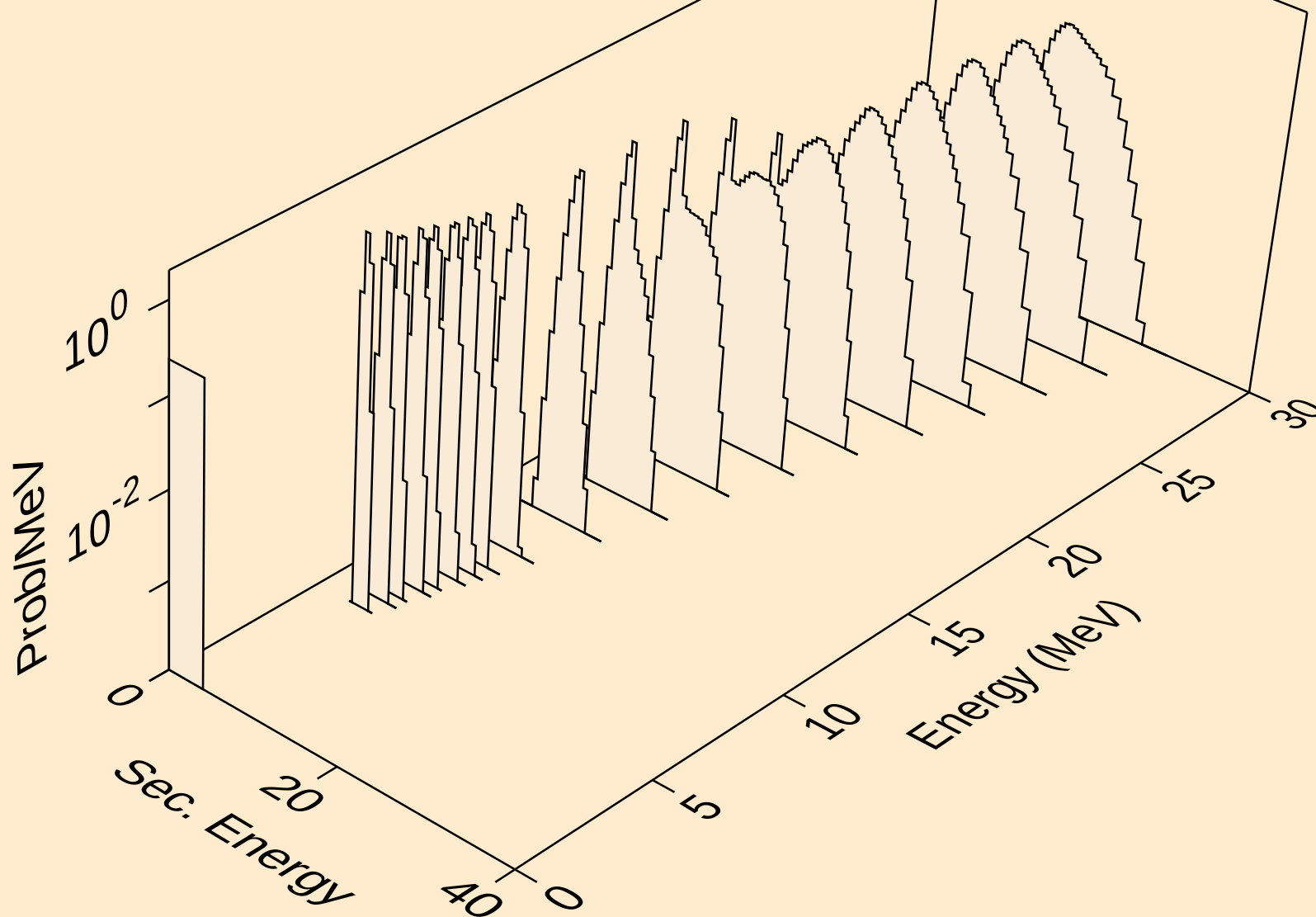
SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



SM147 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

